CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, February 23, 1905.

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PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.), may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
Feb.				
*24	Sewers, pipe, etc.	Wilkesbarre, Pa.	S., B. S.	2- 2
25	Wharf.	New Orleans, La.	S.	2-23
25	Grading and filling.	New Orleans, La.	S.	2-23
25	Dredging.	Washington, D. C.	S.	2- 2
25	Garbage incinerator.	New York.	S.	2- 2
Mar.				
3	Steel, concrete floor.	Wash., D. C.	S.	2- 9
*7	Ditches.	Storm Lake, Ia.	S.	2- 9
*8	Filtration system.	Pittsburg, Pa.	P. & S.	2- 2
11	Fireproof prison.	New York, N.Y.	S.	2- 9
11	Elec. elevators.	Portsm'th, N.H.	S.	2-16
*17	Dredge.	St. Louis, Mo.	P. & S.	1-19

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Feb. 23. Wiring, motors, etc., New York, N. Y. ... Feb. 23
Feb. 23. Electric elevator, New York, N. Y. ... Feb. 23
Feb. 27. Electric motors, Los Angeles, Cal. ... Feb. 9
Mar. 20. Electric generating plant, Wash., D. C. ... Feb. 9
Advertised, Eng. News, Feb. 9.
Mar. 21. City lighting, Norwalk, O. ... Feb. 16
Advertised, Eng. News, Feb. 16.
Apr. 11. City lighting, Shreveport, La. ... Feb. 16
April 3. Electric lighting, Cape Charles, Va. ... Feb. 23
Apr. 12. Power house, Lockport, Ill. ... Feb. 16
Advertised, Eng. News, Feb. 16.
No date. Incandescent lighting, Laconia, N. H. ... Jan. 26
Advertised, Eng. News, Jan. 26 to Feb. 9.

BRIDGES.

Feb. 23. Bridges, Dover, Ont. ... Feb. 2
Feb. 25. Bridges, Celina, O. ... Feb. 9
Feb. 25. Bridge approach, Des Moines, Ia. ... Feb. 16
Feb. 28. Bridge, Harrisburg, Pa. ... Feb. 16
Feb. 28. Bridge, Minnedoso, Man. ... Feb. 16
Mar. 1. Bridges, steel, Tombstone, Ariz. ... Feb. 16
Mar. 1. Bridge, Klamath Falls, Ore. ... Feb. 23
Mar. 1. Bridge, Linneus, Mo. ... Feb. 23
Mar. 2. Lattice work, bridge, New York, N. Y. ... Feb. 23
Mar. 3. Bridge, Kalama, Wash. ... Feb. 23
Mar. 4. Bridges, steel, Valley City, N. Dak. ... Feb. 16
Mar. 6. Bridge, steel, Amite City, La. ... Feb. 16
Mar. 6. Bridge, steel, Valparaiso, Ind. ... Feb. 16
Mar. 6. Bridge, Los Gatos, Cal. ... Feb. 9
Mar. 6. Bridges, St. Anthony, Idaho ... Feb. 23
Mar. 7. Bridge, Albion, Ind. ... Feb. 23
Mar. 13. Bridge, San Bernardino, Cal. ... Feb. 9
Mar. 15. Bridge, Crawfordsville, Ind. ... Feb. 23
Mar. 22. Bridge, Providence, R. I. ... Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 16.
Mar. 23. Bridge approach, Washington, D. C. ... Feb. 23
Advertised, Eng. News, Feb. 23 to Mar. 16.
April 4. Bridges, Lincoln, Neb. ... Feb. 23
Apr. 4. Bridge, Goldendale, Wash. ... Feb. 9

BUILDINGS.

Feb. 23. Post office, Decatur, Ill. ... Jan. 12
Feb. 23. Metal window frames, Wash., D. C. ... Feb. 2
Feb. 23. Court house, Ellsworth, Wis. ... Feb. 16
Feb. 24. Four schools, McKeesport, Pa. ... Feb. 23
Feb. 25. Steam heating, Anniston, Ala. ... Feb. 2
Advertised, Eng. News, Feb. 2 and 9.
Feb. 27. Post office, Columbia, Mo. ... Jan. 19
Advertised, Eng. News, Jan. 19 and 26.
Feb. 28. Post office, Louisiana, Mo. ... Jan. 19
Advertised, Eng. News, Jan. 19 and 26.
Feb. 28. Interior work, Des Moines, Ia. ... Feb. 16
Feb. 28. Y. M. C. A. building, Lawrence, Kan. ... Feb. 23
Feb. 28. School, Hilbert, Wis. ... Feb. 23
Mar. 1. Brick school, Barrington, Ill. ... Feb. 23
Mar. 1. Court house, Lawrenceburg, Tenn. ... Feb. 16
Mar. 1. Five buildings, Chattanooga, Tenn. ... Feb. 2
Advertised, Eng. News, Feb. 2 to 23.
Mar. 1. Building materials, Chattanooga, Tenn. ... Feb. 9
Mar. 1. Heating apparatus, Hastings, Neb. ... Feb. 9
Mar. 1. Court house plans, Edna, Tex. ... Feb. 9
Mar. 2. Post office, Adrian, Mich. ... Jan. 26
Advertised, Eng. News, Jan. 26 and Feb. 2.
Mar. 3. Electric wiring, Savannah, Ga. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Mar 3. Steel, concrete floor, Washington, D. C. ... Feb. 9
Mar. 5. Post office, Battlecreek, Mich. ... Feb. 9
Mar. 6. Dormitory, etc., Washington, D. C. ... Feb. 9
Mar. 6. Court house, Greenwood, Miss. ... Jan. 26
Mar. 6. Post office, Battlecreek, Mich. ... Jan. 26
Mar. 6. Church plans, Portsmouth, O. ... Feb. 16
Advertised, Eng. News, Feb. 16.
Mar. 6. Court-house, Sardis, Miss. ... Feb. 23
Mar. 6. Jail specifications, Monticello, Miss. ... Feb. 23
Mar. 6. Brick annex, Springfield, O. ... Feb. 23
Mar. 7. Jail, Dublin, Ga. ... Feb. 23
Mar. 7. Court house, Hot Springs, Ark. ... Feb. 16
Mar. 7. Post office, Findlay, O. ... Feb. 2
Mar. 8. Post office, Muskegon, Mich. ... Jan. 26
Advertised, Eng. News, Jan. 26 and Feb. 2.
Mar. 8. Cut-stone work, Washington, D. C. ... Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 2.
Mar. 8. Barrack, Ft. Baker, Cal. ... Feb. 23
Mar. 8. School, Delavan, Wis. ... Feb. 23
Mar. 9. Hospital, Dulce, N. Mex. ... Feb. 23
Mar. 9. School, Columbia, S. C. ... Feb. 23
Mar. 9. Court house, Elbow Lake, Minn. ... Feb. 16
Mar. 9. Steam heating, Savannah, Ga. ... Feb. 9
Mar. 10. Wagon shed, Oswego, N. Y. ... Feb. 9
Advertised, Eng. News, Feb. 9 to Mar. 2.
Mar. 10. Military quarters, New Bedford, Mass. ... Feb. 23
Mar. 10. Bakery (mfg. pl.), Jefferson Barracks, Mo. ... Feb. 23
Mar. 11. Public hall, Newburg Heights, O. ... Feb. 23
Mar. 11. Fireproof prison, New York, N. Y. ... Feb. 9
Mar. 12. Court house, Magnolia, Ark. ... Feb. 9
Mar. 13. Post office, Hammond, Ind. ... Jan. 26
Mar. 13. School annex, Cleveland, O. ... Feb. 23
Mar. 13. City hall, Oskaloosa, Ia. ... Feb. 23
Mar. 14. Post office, Moberly, Mo. ... Jan. 26
Mar. 15. Jail equipment, etc., Camden, N. J. ... Feb. 2
Advertised, Eng. News, Feb. 2 and 9.
Mar. 15. Y. M. C. A. building, Seattle, Wash. ... Feb. 23
Mar. 20. Post office, Elizabeth, N. C. ... Feb. 2
Mar. 21. Post office, Laredo, Tex. ... Feb. 2
Advertised, Eng. News, Feb. 2 and 9.
Mar. 21. Armory, Rochester, N. Y. ... Feb. 23
Mar. 27. Post office, Lebanon, Pa. ... Feb. 9
Mar. 28. Post office, Superior, Wis. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Apr. 3. Court-house, Kentland, Ind. ... Feb. 23
Apr. 3. Post-office, Macon, Ga. ... Feb. 23
Advertised, Eng. News, Feb. 23 to Mar. 2.
June 15. Court-house plans, New Orleans, La. ... Feb. 23

WATER SUPPLY AND IRRIGATION.

Feb. 23. Water main extension, Portland, Me. ... Feb. 2
Feb. 23. Water-works, Menasha, Wis. ... Feb. 9
Feb. 24. Meters, Cleveland, O. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Feb. 24. Water pipe, Milwaukee, Wis. ... Feb. 23
Feb. 25. Water-works, Tillamook, Ore. ... Feb. 2
Feb. 27. Water pipe, etc., Santa Ana, Cal. ... Feb. 16
Feb. 28. Water-works, Waterman, Ill. ... Feb. 16
Feb. 28. Motors, meters, etc., Memphis, Tenn. ... Feb. 23
Mar. 1. Water-works, Charlton, Ia. ... Jan. 26
Mar. 1. Pipe, Toledo, O. ... Feb. 23
Mar. 1. Water-works, Medina, N. Y. ... Feb. 23
Advertised, Eng. News, Feb. 23.
Mar. 2. Water-pipe and fittings, Bellingham, Wash. ... Feb. 23
Mar. 3. Tank and trestle, Fort Reno, Okla. ... Feb. 9
Mar. 3. Pipe, valves, etc., Youngstown, O. ... Feb. 16
Advertised, Eng. News, Feb. 16 and 23.
Mar. 4. Water-pipe, Cleveland, Miss. ... Feb. 23
Mar. 6. Pumps and engines, Ford City, Pa. ... Feb. 23
Mar. 6. Pumping plant, Iowa Falls, Ia. ... Feb. 9
Mar. 8. Filtration plant, Pittsburg, Pa. ... Feb. 2
Advertised, Eng. News, Feb. 2.
Mar. 8. Water main extension, Fort Du Pont, Del. ... Feb. 9
Advertised, Eng. News, Feb. 9 to Mar. 2.
Mar. 8. Hydrants, New York, N. Y. ... Feb. 23
Mar. 10. Water-works, Bishop, Cal. ... Feb. 23
Advertised, Eng. News, Dec. 8 to Dec. 29.
Mar. 11. Settling well, Lorain, O. ... Feb. 16
Mar. 13. Stopcock boxes, Cleveland, O. ... Feb. 23
Advertised, Eng. News, Feb. 23.
Mar. 15. Tank and Tower, Osborne, Kan. ... Feb. 23
Mar. 16. Water-works, Callicoon, N. Y. ... Feb. 23
Advertised, Eng. News, Feb. 23 and Mar. 2.
Mar. 17. Pipe and castings, Washington, D. C. ... Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 9.
Mar. 20. Water-works, Meeker, Colo. ... Feb. 2
Advertised, Eng. News, Feb. 2 to Mar. 3.
Mar. 21. Well, Fort Caswell, N. C. ... Feb. 9
Mar. 21. Pumping engine, Toronto, Ont. ... Feb. 23
Advertised, Eng. News, Feb. 23 and Mar. 2.
Apr. 10. Water pipe, Winnipeg, Man. ... Feb. 16
Apr. 18. Pumping machinery, New Orleans, La. ... Feb. 16
Advertised, Eng. News, Feb. 16 to April 20.

SEWERAGE.

Feb. 23. Sewerage, New Rochelle, N. Y. ... Feb. 2
Advertised, Eng. News, Feb. 2 and 9.
Feb. 23. Sewer, New York, N. Y. ... Feb. 23
Feb. 24. Sewers, pipe, Wilkesbarre, Pa. ... Feb. 2
Advertised, Eng. News, Feb. 2 to 17.
Mar. 1. Sewer, Norristown, Pa. ... Feb. 16
Mar. 1. Sewers, New York, N. Y. ... Feb. 23
Mar. 1. Sewers, Fort Collins, Colo. ... Feb. 23
Mar. 2. Sewers, Buffalo, N. Y. ... Feb. 23
Mar. 6. Sewer, Montgomery, Ala. ... Feb. 23
Mar. 6. Sewer siphons, Washington, D. C. ... Feb. 9
Advertised, Eng. News, Feb. 9.
Mar. 7. Sewer system, Holly Springs, Miss. ... Feb. 23
Advertised, Eng. News, Feb. 23.
Mar. 8. Sewage pumping station, Columbus, O. ... Feb. 23
Advertised, Eng. News, Feb. 23.
Apr. 18. 65 miles sewers, New Orleans, La. ... Feb. 16
Advertised, Eng. News, Feb. 16 to April 20.

STREETS AND ROADS.

Feb. 23. Paving, Cincinnati, O. ... Feb. 9
Feb. 23. Roads, Peru, Ind. ... Feb. 9
Feb. 23. Paving, Geneva, N. Y. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Feb. 23. Paving, etc., Brooklyn, N. Y. ... Feb. 16
Feb. 24. Paving, Cincinnati, O. ... Feb. 9
Feb. 24. Road, York, Pa. ... Feb. 2
Feb. 24. Paving, asphalt, Louisville, Ky. ... Feb. 23
Feb. 27. Paving, etc., Wilkesbarre, Pa. ... Feb. 2
Advertised, Eng. News, Feb. 2 to 23.
Feb. 25. Road, Celina, O. ... Feb. 9
Feb. 27. Paving, Elyria, O. ... Feb. 9
Feb. 27. Grading, etc., Hartford, Conn. ... Feb. 9
Feb. 27. Binder stone, Detroit, Mich. ... Feb. 16
Feb. 27. Paving, vitrified brick, Des Moines, Ia. ... Feb. 16
Feb. 28. Curbing, cement, Des Moines, Ia. ... Feb. 16
Feb. 28. Paving, Toledo, O. ... Feb. 23
Mar. 1. Paving, Indianapolis, Ind. ... Feb. 23
Mar. 1. Paving, Ft. Wayne, Ind. ... Feb. 9
Mar. 1. Road, Grass Valley, Cal. ... Jan. 26
Mar. 3. Paving, brick, Cincinnati, O. ... Feb. 16
Mar. 3. Grading, Ft. Leavenworth, Kan. ... Feb. 23
Mar. 7. Sidewalks, cement, Broad Ripple, Ind. ... Feb. 16
Mar. 7. Roads, gravel, Rockville, Ind. ... Feb. 16
Mar. 8. Paving, Brooklyn, N. Y. ... Feb. 23
Mar. 9. Roads, Bedford, Ind. ... Feb. 23
Mar. 10. Paving, asphalt, Cincinnati, O. ... Feb. 23
Mar. 14. Paving, vitrified brick, Cambridge, O. ... Feb. 23
Mar. 15. Paving, Elizabeth, N. J. ... Feb. 23
Mar. 16. Roads, Bloomfield, Ind. ... Feb. 16

MISCELLANEOUS CONTRACTS.

Feb. 23. Dams and bridges, Phoenix, Ariz. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Feb. 23. Grading, etc., Memphis, Tenn. ... Feb. 9
Feb. 23. Window frames, Washington, D. C. ... Jan. 26
Advertised, Eng. News, Jan. 26 to Feb. 23.
Feb. 23. Portland cement, etc, Newport, R. I. ... Jan. 26
Advertised, Eng. News, Jan. 26 to Feb. 23.
Feb. 23. Dredging, bridges, Dover, Ont. ... Feb. 2
Feb. 24. Portland cement, Minneapolis, Minn. ... Feb. 16
Feb. 25. Railroad ties, Ottawa River Ry. ... Feb. 16
Feb. 25. Dredging, Washington, D. C. ... Feb. 2
Feb. 25. Lock, Cincinnati, O. ... Jan. 26
Advertised, Eng. News, Jan. 26 to Feb. 23.
Feb. 25. Garbage incinerating plant, New York. ... Feb. 2
Feb. 27. Filling and grading, Hartford, Conn. ... Feb. 2
Advertised, Eng. News, Feb. 2 and 9.
Feb. 27. Underground crossing, Sacramento, Cal. ... Feb. 23
Feb. 28. Motors, meters, etc., Memphis, Tenn. ... Feb. 23
Feb. 28. Rock drills, Washington, D. C. ... Feb. 9
Advertised, Eng. News, Feb. 9 to Mar. 2.
Feb. 28. Machine tools, Washington, D. C. ... Feb. 16
Feb. 28. Ditching, Litchfield, Minn. ... Feb. 9
Feb. 28. Electric elevators, Omaha, Neb. ... Feb. 16
Feb. 28. Contractors' wagons, Washington, D. C. ... Feb. 16
Mar. 1. Island, Ellis Island, N. Y. ... Feb. 9
Advertised, Eng. News, Feb. 9 and 16.
Mar. 1. Steamboat, New York, N. Y. ... Feb. 9
Mar. 1. Garbage plant enlargement, Cleveland, O. ... Feb. 23
Mar. 2. Iron and lumber, New York, N. Y. ... Feb. 23
Mar. 3. Cement, San Francisco, Cal. ... Feb. 9
Advertised, Eng. News, Feb. 9 to Mar. 2.
Mar. 4. Timber, Ottawa, Ont. ... Feb. 16
Mar. 6. Wreck removal, Boston, Mass. ... Feb. 9
Advertised, Eng. News, Feb. 9 to Mar. 9.
Mar. 6. Electric tramcars, etc, South Africa. ... Jan. 12
Mar. 6. Railway tunnels, Pa., N. J., & N. Y. Ry. ... Feb. 2
Advertised, Eng. News, Feb. 2.
Mar. 6. Fire alarm system, Bakersfield, Cal. ... Feb. 23
Mar. 6. Dredging, Philadelphia, Pa. ... Feb. 23
Mar. 6. Garbage plant, New York, N. Y. ... Feb. 23
Mar. 7. Arc lamps, rope, cement, etc., Washington, D. C. ... Feb. 23
Mar. 7. Steel rails, fish plates, Australia. ... Jan. 19
Mar. 7. Ditches, Storm Lake, Ia. ... Feb. 2
Advertised, Eng. News, Feb. 2 to Mar. 3.
Mar. 8. Hire of dredging plant, dredging, Detroit, Mich. ... Feb. 23
Mar. 9. Steel shed, New Orleans, La. ... Feb. 16
Advertised, Eng. News, Feb. 16 and 23.
Mar. 11. Electric elevators, Portsmouth, N. H. ... Feb. 16
Mar. 14. Transformers, etc., Washington, D. C. ... Feb. 16
Mar. 14. Portland cement, Wheeling, W. Va. ... Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 16.
Mar. 14. Machine tools, Washington, D. C. ... Feb. 23
Mar. 15. Cable, Washington, D. C. ... Feb. 23
Mar. 15. Street railway, No. Adams, Mass. ... Feb. 23
Advertised, Eng. News, Feb. 16 and 23.
Mar. 15. Dam, Los Angeles, Cal. ... Jan. 12
Advertised, Eng. News, Jan. 12 to Feb. 23.
Mar. 17. Dredge, St. Louis, Mo. ... Jan. 19
Advertised, Eng. News, Jan. 19 to Feb. 10.
Mar. 18. Stone and cement, Wilmington, N. C. ... Feb. 23
Advertised, Eng. News, Feb. 23 to Mar. 23.
Mar. 20. Drainage ditch, New Cambria, Mo. ... Feb. 23
Mar. 21. Drainage ditch, Webster City, Ia. ... Feb. 16
Mar. 31. Electric railway, China ... Oct. 20
Advertised, Eng. News, Oct. 20 to Dec. 29.
Mar. 25. Wharf, grading and filling, New Orleans, La. ... Feb. 22
Apr. 1. Dredging, Sweden ... Nov. 24
April 4. Ditch, Fairmont, Minn. ... Feb. 23
Apr. 10. Channel improvement, Bermuda ... Jan. 26
Advertised, Eng. News, Feb. 2.
Apr. 10. Dam, canals, etc., Denver, Colo. ... Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 30.
Apr. 25. Canals, etc., New Orleans, La. ... Feb. 16
Advertised, Eng. News, Feb. 16 to April 20.
May 1. Light-house, Egypt ... Dec. 22
No. date. Hauling stone, Catskill, N. Y. ... Feb. 16
Advertised, Eng. News, Feb. 16.
No date. Railway extension, Imboden & Odell. ... Feb. 16
Advertised, Eng. News, Feb. 16 and 23.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON BELT LINE.—A belt line will be built at Atchison, Kan. Incorporators of company are H. E. Farrell, Freight Traffic Mgr., St. Louis Southwestern Ry., St. Louis, Mo.; William Carlisle, J. C. Fox, J. W. Allen and others, of Atchison.

BIG HORN.—This company, recently incorporated in Wyoming, has let the first contract for construction work on line to the Shoshone reservation to BISHOP J. JOLLY, of Basin, Wyo. The road is to run from Frannie, or Garland, on the Toluca-Cody branch of the Chicago, Burlington & Quincy, across the Shoshone River at Lovell and thence through Ribbon Canyon and along the Big Horn River to Thermopolis, Wyo. From this point the road will pass through the Twelve-Mile canyon and up the Big Horn to the juncture of the Big Horn and Muskrat Creek. Incorporators are George W. Holdrege, Gen. Mgr., at Omaha, Neb., of the Burlington; G. Loomis, W. P. Durkee, A. B. Allee and J. E. Kelby, of Omaha, Neb. The capital of company is $5,000,000.

BRATTLEBORO & WHITEHALL.—The Central Vermont Ry. Co. will rebuild this line which now is a standard-gage road running from Brattleboro, Vt., to South Londonderry. Extensions probably will be built. J. M. Morrison, St. Albans, Vt., is Engr.

BUFFALO & SUSQUEHANNA.—Fisk & Robinson, bankers, 35 Cedar St., New York, announce that the Buffalo & Susquehanna Railroad Co. has recently made a

trackage agreement with the Buffalo, Rochester & Pittsburg whereby it will use the latter company's tracks between Stanley, N. Y., and Juneau, Pa., a distance of about 15 miles, and that below Juneau the Buffalo & Susquehanna interests will construct their own road through to Plumville, Pa., where a tract containing about 55,000,000 tons of coal is owned. Arrangements have been made to finance this extension.

CHICAGO & NORTHWESTERN.—This company will expend $750,000 in improvements at Sheboygan, Wis., according to W. A. Gardner, Gen. Mgr. A belt line in this city is proposed. Mr. Gardner may be addressed at 22 Fifth Ave., Chicago.

A 65-mile line is to be built this spring from Manitowoc to Gillett via Green Bay, Wis. C. T. Dike is Engr-in-Charge at Green Bay, Wis.

CHICAGO SOUTHERN.—THE PEOPLE'S CONSTRUCTION CO., of Davenport, Ia., has received contract for 27 miles of concrete work on this line, which is to be built from Terre Haute, Ind., to Chicago, this summer. The company has contract for all bridges and abutments. Cost, $150,000. J. W. Crowley, of Construction Co., is interested.

CHICAGO, WEATHERFORD & BRAZOS VALLEY.—It is reported that surveys are in progress from Weatherford to Bridgeport, Tex., 36 miles. Geo. M. Bowie, Weatherford, Tex., may be addressed.

CINCINNATI, GEORGETOWN & PORTSMOUTH.—Contract has been given THOMAS DENTON, of West Union, O., for grading and building roadbed for extension of this railway from Georgetown to Eckmansville, O. It is planned to continue extension to West Union. H. E. Sawyer, Cincinnati, O., is Gen. Supt. and Purchasing Agt.

DELAWARE & HUDSON.—James MacMartin, Ch. Engr., Albany, N. Y., has announced that P. HART & SONS, of New Brighton (S. I.), N. Y., have been awarded the contract for building the extension from Thurman to Warrensburg, N. Y., 3.39 miles. Grading will begin soon.

DELTA SOUTHERN.—This railway is being extended from Elizabeth to Bogue Phalia, Miss., 15 miles. It is a branch of the Southern Railway. J. S. B. Thompson, Atlanta, Ga., is Pres.

DENVER & RIO GRANDE.—A. F. MYERS, of Florence, Colo., has contract for constructing a branch from the Chandler mine to Cuckoo mine at Heathtown. E. J. Yard, Denver, is Ch. Engr.

DEVILS LAKE & NORTHERN.—The Farmers' Grain & Shipping Co. line, which runs from Devils Lake to Starkweather, N. Dak., 25 miles, will be extended from Starkweather to Rosedale, 25 miles, it is said. Joseph M. Kelly, Garske, N. D., is Pres. J. J. Lanin, Starkweather, is Gen. Supt.

ERIE.—The Paterson (N. J.) branch of this railway is to be improved, it is reported, at cost of $2,000,000. Many grade crossings in Paterson will be eliminated. Joseph M. Graham, Fourth Vice-Pres., 21 Cortlandt St., New York, is in charge of construction work.

FALLON RY.—W. W. Williams, Fallon, Nev., writes us that survey has been made for this railway, which company proposes to build from Leetville to Fallon, 15 miles. No contracts have been let. R. L. Douglass, Fallon, is Pres.; W. Fuller is Ch. Engr.

FOUNTAIN HEAD.—George Borgfeldt & Co., 48 West Fourth St., New York, have purchased this railway and its equipment at auction. The road may be electrified and operated in connection with Knoxville Traction Co., Knoxville, Tenn.

GEORGIA NORTHERN.—This company is reported to have decided to increase its capital stock to $500,000, to provide for construction of an extension 35 miles southeast from Moultrie to Valdosta. J. N. Pidcock, Jr., is Pres. and Gen. Mgr., at Moultrie, Ga.

KANSAS CITY, MEXICO & ORIENT.—M. P. Paret, Ch. Engr., Kansas City, Mo., is authority for statement that "the Kansas City Outer Belt & Electric Railroad, the contracts for building which have been awarded to L. J. SMITH, of Kansas City, is designed to afford terminal facilities and to give an entrance into Kansas City for the Kansas City, Mexico & Orient, besides furnishing proper connections with all other lines entering the city." The line will be about eight miles long, double-tracked.

KOOTENAY, CARIBOO & PACIFIC.—This company will apply to parliament next session for an extension of time to construct its line of railway.

MEMPHIS, INDIANOLA & GULF.—Stockholders have authorized construction work on this road, to begin at once. The line is projected from Memphis, Tenn., via Indianola, Dockery, Yazoo City and Jackson, Miss., to Gulfport, Miss., 450 miles. Contracts are to be let immediately, it is reported, for building from Indianola to Dockery, Miss., 25 miles. Preliminary surveys have been made for the entire line. The officers are: W. E. Ringold, Pres., Lyon, Miss.; T. M. Andrews, vice-Pres.; Robert Craig, Secy.; W. T. Pitts, Treas., and J. W. Buchanan, Gen. Attorney. R. Craig, Heathman, Miss., is Ch. Engr.

MICHIGAN CENTRAL.—This company will construct a tunnel under Detroit River at Detroit connecting that city with Windsor, Ont. Double-tracking of line between Detroit and Chicago is also under consideration. It is reported that the Allegan division, formerly a part of the Detroit, Toledo & Milwaukee, will be extended to Grand Haven, a distance of about 25 miles from Allegan. W. S. Kinnear, Detroit, is Ch. Engr.

MIDLAND VALLEY.—This company, with headquarters at Fort Smith, Ark., has filed an amendment to its charter in Oklahoma Territory, increasing the capital stock from $5,000,000 to $9,000,000 and providing for several branches and extensions, including one from Bowles, Ind. T., southeast through Caddo Gap to the southern line of Montgomery County, Ark., 55 miles; an extension, now under construction, from Tulsa, Ind. T., northwest through Pawhuska, Osage Nation, to the southern boundary of Kansas. F. A. Molitor, Fort Smith, Ask., is Gen. Mgr. and Ch. Engr. Contract for 33 miles of road has been let to KAHMANN & McMURRAY, of Kansas City, Mo. MANEY BROS., Kansas City, are reported to have a 15-mile grading contract.

MISSISSIPPI.—John Merrill, John Dubois and George Merrill are stated to have purchased plant of Muskegon Lumber Co., at Lake, Miss. A 30-mile extension from Lake to Carthage is reported to be under consideration.

MISSISSIPPI CENTRAL.—The capital stock of the Mississippi Central Railroad Co. has been increased from $500,000 to $1,500,000. Work on the extension westward from the present terminus at Silver Creek will be begun soon. A line from Hattiesburg to Vicksburg will be completed, it is planned, within the next 18 months. M. H. McCabe, Hattiesburg, Miss., is Supt.

QUEBEC & LAKE ST. JOHN.—It is stated that bids for construction of the La Tuque branch will be received soon. A. E. Doucet, Quebec, Ont., is Ch. Engr.

NORTH CAROLINA.—Robert P. Henry, Cy. Engr., Winston, N. C., writes us that charter has been granted for a railroad from Winston to Charleston, S. C. Surveys were made some time ago.

RICHMOND & CHESAPEAKE BAY.—Company has been chartered in Virginia. Frank J. Gould, Pres., 195 Broadway, New York, has stated that this company proposes to build at once a railway from Richmond, Va., via Ashland, to Tappahannock, 67 miles. A portion of the line will be operated by electricity and the rest by steam. Surveys have been completed from Richmond to Ashland, 16 miles, and the line is under survey from the latter point to Tappahannock, 51 miles. The contract for the rails has been given to the PENNSYLVANIA STEEL CO. It is planned to begin construction about March 1. Henry W. Anderson is Vice-Pres., Richmond, Va.; Guy Phillips, Secy. and Treas., 195 Broadway, New York; C. P. E. Burgwyn is Ch. Engr., at Richmond, Va.

RIO GRANDE & SOUTHWESTERN.—E. J. Yard, Ch. Engr., Denver, Colo., informs us that extension from El Vado to Gallina, 15 miles, has not been constructed. E. M. Biggs, Edith, Colo., is Pres.

ST. LOUIS & NORTH ARKANSAS.—An extension will be built from Leslie, Ark., to Settlement, 25 miles. S. W. Lee is Ch. Engr., Eureka Springs, Ark.

SOUTHERN.—The contract for the construction of line from Mobile Junction to the intersection of the line to Ensley has been let to AGEE & CO., contractors, of Birmingham, Ala. It will be about three miles long.

SAN FRANCISCO, IDAHO & MONTANA.—A meeting of directors will be held in New York on Feb. 23 to decide upon date of letting contracts. Company was recently chartered to build a railroad from San Francisco, Cal., to Butte, Mont., a distance of 923 miles, of which 308 miles will be in California, 215 miles in Nevada, 99 miles in Oregon, 284 miles in Idaho and 92 miles in Montana. The route is via Marysville, Oroville and Susanville, Cal., Old Camp McGarry and Mason, Nev., Jordon Valley, Ore., and Boise, Idaho. There will be a branch line from Mason to Winnemucca, Nev. The road has been surveyed from San Francisco to Boise, Idaho, 578 miles, and is under survey from the latter point to Butte, Mont., 345 miles. William Peyton Mason, Pres., 420 Andrus Bldg., Minneapolis, Minn., has stated that bonds have been subscribed and that the road will be completed by June, 1907. Other officers of company are: C. H. Flemnig, of Minneapolis, Minn., vice-Pres.; W. E. Foray, Boise, Idaho, Treas.; John Q. Burbank, Box 173, Boise, Ch. Engr. G. F. Propper, Secy.

SOUTHERN INDIANA.—The KINSER CONSTRUCTION CO., 1747 Railway Exchange Bldg., Chicago, has been awarded the contract for grading, and for concrete piers and abutments, on 108 miles of the Chicago extension of this road from Humrick, Ill., to Chicago Heights. The entire line is to be completed by Nov. 1. Sub-contracts have been let. Grading on the line has been completed from Terre Haute, Ind., to Humrick, about 25 or 30 miles, it is reported, and six miles of track were laid in 1904. F. W. Ranno, Terre Haute, is Engr. M. of W.

SOUTHERN PACIFIC.—It is reported that the line from Hazen to Churchill, Nev., will be built soon.

WESTERN ALLEGHENY.—The extension from Queen Junction to New Castle, Pa., will be begun at once, according to report. It will be about 30 miles long. Bonds have been issued. H. T. Porter, Greenville, Pa., is Ch. Engr.

YAZOO & MISSISSIPPI VALLEY.—The Yazoo & Mississippi Valley Co. is reported to have awarded a contract to W. G. & T. W. MILLICAN, of Zachary, Miss., for material to build a branch railroad 12 miles long from Zachary via Deer Ford and the Millican saw mill to Pride, Miss.

STREET AND ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORTH ADAMS, MASS.—Bids are asked by P. H. Dolan, of Pittsfield, Mass., until March 15, for construction of the Bennington & North Adams Street Railway, and also for the extension of the Hoosac Valley Street Railway. Plans, profiles and specifications may be seen at office of Durkee, White & Towne, Engrs., 292 Main St., Springfield, Mass. (Advertised, Engineering News.)

ITHACA, N. Y.—The Ithaca-Cortland Traction Co. has been authorized by State Railway Commission to issue $775,000 in bonds to provide for construction of a new electric railway, 18 miles long, from Ithaca to Cortland.

HOBOKEN, N. J.—According to local press reports the Public Service Corporation has decided to run a line of cars from Hoboken direct to the Oranges, and the work of installing new trolley line will soon be started. D. F. Carver is Ch. Engr., Jersey City.

ELIZABETHTOWN, PA.—Councils have passed ordinance granting a franchise to Philadelphia, Lancaster & Harrisburg Electric Ry. Co.

SHENANGO, PA.—We are informed that bids will be asked by Shenango Street Ry. Co., C. G. Hussey, Pres., 336 Second Ave., Pittsburg, as soon as right of way is secured, for constructiong electric line, 64 miles in length. W. H. Waugh is Ch. Engr., Greenville, Pa.

BIG STONE GAP, VA.—It is announced that an electric line will be built from here via Stone, Apalachia and Norton to Wise, a distance of 30 miles.

DANVILLE, VA.—The Danville Street Ry. & Electric Co. will build an extension of line from present terminus at Ballou Park to new mills of Dan River Power & Mfg. Co. The following constitute the board of directors: James I. Pritchett, James G. Penn, J. D. Spencer, J. L. Penn, John P. Swanson, J. P. Harrison, J. F. Rison, Geo. A. Smelz and W. J. Payne.

RICHMOND, VA.—Frank Jay Gould, 195 Broadway, New York, is reported as stating that the Richmond & Chesapeake Bay Railway, of which he is president, has made a preliminary survey for its proposed electric line between Richmond and Ashland, Va., 16 miles.

WINSTON, N. C.—Robert P. Henry, Cy. Engr., writes us that a charter was granted recently for an electric railway from Winston to High Point, via Knoxville. Surveys are now under way and about ten of the 28 miles have been located.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

MOBILE, ALA.—It is stated that Indian[illegible] are planning an electric road between [illegible] Orleans. Work of surveying on the [illegible] at an early date. Milton H. Smith, Pr[illegible] Nashville R. R. Co., Louisville, Ky., is r[illegible] interested.

JACKSON, MISS.—Chester Jones, Truma[illegible] O. Glines have incorporated the Durant [illegible] tric Ry. Co. with $200,000 cap. stock, to b[illegible] ban line between Lexington and Durant.

MANSFIELD, O.—It is reported that sur[illegible] zens' Electric Ry. Co. are laying out a r[illegible] with the Cleveland & Southwestern Traction[illegible]

ADRIAN, O.—The Adrian & Jackson pr[illegible] road is to be built. J. W. Helme and W. H[illegible] city, have secured right of way except in t[illegible] the route has not yet been decided upon.

LIMA, O.—The last franchise needed for [illegible] wa & Lima Electric Railway, promoted by [illegible] Pres. Lima Electric Railway & Light [illegible] granted by Village of Columbus, and the c[illegible] this parallel of C., H. & D. north from [illegible] assured for early spring.

CLINTONVILLE, WIS.—Surveys for a new [illegible] with a double track are nearly completed, [illegible] pected that cars will be running by July 1. [illegible] be between Clintonville and Antigo, pas[illegible] Eland Junction, Mattan and Phlox. It is [illegible] road may be extended to the Republic, Mich[illegible] will be known as Red River Valley Electric [illegible] Delano, of Philadelphia, is Chn. Bd. Dir.

KENOSHA, WIS.—The plan to build an elec[illegible] railway from Kenosha to Lake Geneva, is dead, as [illegible] Council has refused to grant the company a franchise.

MERRILL, Wis.—The Merrill-Wausau Electric railway has secured right of way. The line will run on east side of river, touching Brokaw and the heights, a distance of about 20 miles.

MINNEAPOLIS, MINN.—We are informed E. J. Phepa and F. E. Kenniston, of Minneapolis, are contemplating the construction of a suburban electric line from Minneapolis to Mankato. Right of way has been granted by City Council of Excelsior for the use of streets in that town.

MARLIN, TEX.—The Belton-Temple Interurban Electric Ry. Co. will probably be extended to Marlin via Westphalia and Rosebud or by Blevins, Mooreville and Chilton.

ARDMORE, IND. T.—The City has granted a franchise to D. B. Lester, R. B. Lester, C. M. Joiner and John Hoffman to construct an electric line, and right of way has been given through principal streets for that purpose. The terms of franchise require that work must commence by Sept. 1 and line be completed within 12 months.

OKLAHOMA CITY, OKLA.—J. W. Shartel, Pres. Oklahoma City Street Ry. Co., states that work on construction of interurban line connecting this city with Guthrie will commence March 1.

SEATTLE, WASH.—It is announced by Seattle Electric Co. that work on construction of proposed street car line to Fort Lawton will commence April 1. M. Lowd is Ch. Engr., Fifth Ave. and Pine St., City.

WALLA WALLA, WASH.—E. S. Isaacs, F. E. Smith, Grant Copeland and Wm. O'Donnell have reincorporated the Walla Walla Ry. Co. with capital of $500,000 for the purpose of building, equipping and operating a street railway in Walla Walla and suburbs and an interurban line in Oregon and Washington.

SEATTLE, WASH.—James A. Moore will ask City Council for street railway franchise, with view to establishing street railway system in many sections of city having no service at present. In all 40 miles of track will be laid at approximate expense of $3,000,000.

LOGAN, UTAH.—David Eccles and associates have asked for a franchise to build a street railway line in Logan. It is understood that work on this will be started in the spring. The line as located will be about 12 miles long.

OTTAWA, ONT.—The Central Counties Ry. Co. has petitioned the Dominion Government for authority to construct a railway from Carillon to Montreal.

ST. CATHARINES, ONT.—It is stated that the Niagara, St. Catharines & Toronto Ry. Co. have about completed arrangements for the extension of their line as far as Vineland. E. F. Seixas is Gen. Mgr., City.

NEW WESTMINSTER, B. C.—An electric railway is projected to run between New Westminster and Chilliwack, B. C., a distance of 50 miles. J. Burt Morgan is the promoter. The road will cost approximately $15,000 per mile, including road-bed and rolling stock. Board of Trade has endorsed a petition to Provincial Government asking a bonus of $3,000 a mile.

LIGHT, HEAT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

OLDTOWN, ME.—W. P. Hubbard, Secy. Bodwell Water Power Co., Bangor, writes us that steps have been taken to petition legislature for authority to sell electricity to railroads and for manufacturing, heating and lighting purposes. It is planned to issue $1,000,000 of bonds.

HOULTON, ME.—H. T. Frisbie and other persons, of Houlton, have purchased water power rights at Mud Lake Falls which will be developed this summer. Electric light and power will be supplied to this city.

HOLYOKE, MASS.—Board of Aldermen will pass ordinance, it is said, providing for issuance of $73,000 bonds for purchasing land and constructing a gas holder.

BUFFALO, N. Y.—Lowest bid received for installing in 65th Armory an electric lighting plant was submitted by McCarthy Bros. & Ford, at $89,000.

NEW YORK, N. Y.—Bids are asked until noon, Feb. 23 for following material and construction: (1) wiring quartermaster's storehouse and wharf buildings for electric light and power, constructing trolley system and feeder system; (2) furnishing, installing, and constructing motors, locomotives, switchboards, and ventilating fans, and all controlling appliances; (3) furnishing and installing an electric elevator complete, with all controlling appliances, at Governor's Island, N. Y. Harbor. G. S. Bingham, Q. M.

WATERTOWN, N. Y.—Henry E. Baker, Cy. Engr., is to submit an estimate as to cost of municipal lighting plant for the city.

PAINTED POST, N. Y.—John L. Caven, Cashier A. C. Wilcox & Co., 55 Liberty St., New York, informs us that he is interested in an electric light company now being formed for the purpose of supplying electric lights for a small town in the part of the State, and it is desired to secure a plant of 2,000 or 3,000 lights, second-hand. Mr. Caven may be addressed at Painted Post.

TRENTON, N. J.—American Street Lighting Co. was low bidder for lighting city streets.

LAWRENCE, N. J.—N. G. Dagit, 435 Chestnut St., Philadelphia, has invited bids for a power house and dam at Morris Hall Catholic Home.

PARADENA, N. J.—The Adams Clay Mining Co., Land Title Bldg., Philadelphia, has invited bids for a power house and new power plant.

SCRANTON, PA.—The West Scranton Light, Heat & Power Co. will be incorporated by William T. Davies, John J. Williams, Herbert L. Taylor, Thomas P. Gordon and Edward Recum, all of whom are connected with the West Side Bank.

SELINSGROVE, PA.—George W. Wagenseller, of Middleburg, Pa., and David Goldstein, of Pittsburg, have secured water power privileges at Selinsgrove on Middle Creek. A company will be organized, with $50,000 capital, to begin construction of plant.

BALTIMORE, MD.—The contract for the erection of the new power house to be built at Highlandtown for the United Railways and Electric Co. has been awarded to the STEEL CONSTRUCTION CO.

CAPE CHARLES, VA.—Town is taking bids until April 1 for franchise for electric lighting. I. J. Burbage, Clk. (Advertised, Engineering News.) The ordinance under which the franchise is to be granted may be seen at the office of Engineering News, 220 Broadway, New York.

STAUNTON, VA.—L. S. Randolph, Consult. Engr., Blacksburg, Va., informs us that he will prepare plans and specifications for new power plant for the Western State hospital here. It will consist of a duplicate generating plant and a power and distribution system of motors. A modern gas plant may be installed.

CONCORD, N. C.—Quint E. Smith, Cy. Engr., writes us that city will issue bonds to improve electric lighting plant. Estimated cost, $15,000.

ASHEVILLE, N. C.—City will erect an electric plant four miles from this place, if necessary authority is granted by legislature. B. M. Lee is Cy. Engr.

ALBANY, GA.—B. H. HARDAWAY, of Columbus, Ga., has been awarded contract for building dam and power house at Big Shoals for Albany Power & Mfg. Co. Cost, $100,000. J. E. Sirrine is Ch. Engr. of Power Co.

SAVANNAH, GA.—The Savannah Lighting Co. has been incorporated with a capital stock of $50,000, and privilege of increasing to $500,000 by John J. Cummings, Lawrence McNeill, John H. Estill, Joseph D. Weed, Henry Blun, Samuel Meinhard and associates, who will establish an electric light plant. Power to be obtained from the plant of the Savannah Lumber Co.

VALDOSTA, GA.—City will install electric light plant. D. G. Griffin, Supt. Water-Works, may be addressed.

ROME, GA.—The City will petition state legislature for authority to construct and operate a municipal electric light plant.

GREENVILLE, ALA.—Franchise has been given to C. C. Henderson Electric Light Co. to build and operate an electric light plant.

SHREVEPORT, LA.—The Shreveport Gas, Electric Light & Power Co. has acquired the gas and electric lighting plants at Texarkana, Ark., and will improve these and also Shreveport plants. H. W. Morris, Shreveport is Pres.; Vice-Pres., R. C. Dawes; Secy., J. R. Ellis, Sherman, Tex. M J. Wright is Ch. Engr.

KNOXVILLE, TENN.—Bill has passed State House of Representatives providing for issuance of $200,000 of bonds for city lighting plant. Bill will be presented in Senate by Jerome Templeton, Senator, of Knoxville.

CAMDEN, TENN.—L. A. Wyatt is promoting plan to build a new electric light plant here.

COOKEVILLE, TENN.—Bonds for $25,000 have been sold, providing funds for new electric light plant, waterworks and street improvements.

MEMPHIS, TENN.—The Merchants' Light & Power Co., incorporated with $500,000 capital to erect electric light plant and two gas plants for municipal and private use, has completed organization with L. Bry, of St. Louis, Mo., Pres.; Hugh Pettit, Vice-Pres.; and R. W. Uhlman, Secy. and Treas. Noted on Jan. 19.

BARBOURVILLE, KY.—A new heating and lighting plant will be installed at Union College. Cost, $8,000.

DANVILLE, KY.—The electric lighting committee of the Danville city council has received from the National Construction Co., of St. Louis, the plans and specifications for the electric lighting plant to be erected here. E. R. Vincent is Consulting Engr.

URBANA, O.—Application for franchise by Frank P. Torrence is before council.

ARCANUM, O.—An election will be held on March 6 to vote on proposition to issue $38,000 of bonds for an electric light plant and city water-works.

NOBLESVILLE, IND.—Council has granted a 10-year city lighting contract to G. W. HEINZMANN & CO., of Noblesville.

The Noblesville Hydraulic Co. will finish construction of dam across White River, begun two years ago, but which was not completed owing to local injunctions, etc. Rufus Beardsley is Ch. Engr. of Hydraulic Co. Thomas Griffin is Pres.

PONTIAC, MICH.—Committee has been appointed to consider municipal lighting plant proposition.

SAGINAW, MICH.—Municipal lighting plant question will be considered by council. A charter election probably will be held on March 2 to vote upon plan to issue $141,125 bonds for the plant.

LUDINGTON, MICH.—Henry M. Wallace, Grand Rapids, Mich., writes us that the Ludington Gas Co., with an authorized capitalization of $75,000, was incorporated under the laws of the state of Michigan on Feb. 2, for the purpose of installing and operating a gas plant at Ludington. Contracts for the construction of the plant complete were awarded to WARREN & PETTIGREW, of Fox Lake, Wis. The plant is to be a water gas plant, and the specifications include the laying of nine miles of mains. Construction work is to commence before May 1, and plant is to be fully completed within four months. Noted on Feb. 9.

WHITEHALL, MICH.—The White River Power Co., with capital of $1,500,000, will at once begin construction of dams in White River. M. B. Wheeler, R. H. Updyke, W. W. Hyde and others, of Grand Rapids, are the promoters. Engineers have run surveys. The first dam will be built seven miles from Whitehall and the second directly at back water of the first one. Cement brick will be used in construction. Power and light will be furnished to Whitehall, Montague, Fremont and Hesperia.

CHICAGO, ILL.—Bids were received Feb. 15 by the Board of Trustees of Sanitary District of Chicago for four 4,000-KW., 6,600-volt, 3-phase, 60-cycle generators, 164 r. p. m.; and two 350-KW. 250-volt, direct-current exciters, 300 r. p. m. Isham Randolph, Ch. Engr. Bids were as follows, (1) generators; (2) exciters: Crocker-Wheeler Co., Chicago, (1) $89,780, (2) $11,586; total, $101,366. National Electric Co., Milwaukee, Wis., (1) $89,940, (2) $7,410; total, $107,350. Westinghouse Electric & Mfg. Co., Pittsburg, Pa. (1) $106,000, (2) $8,500; total, $114,500. The Bullock Electric Mfg. Co., Chicago, (1) $107,960, (2) $9,114; total, $117,074. National Electric Co., Milwaukee, Wis., (1) $112,380, (2) $7,410; total $119,790; General Electric Co., Chicago, (1) $113,950, (2) $9,250; total, $123,200. Stanley Electric Mfg. Co., Chicago, (1) $115,300, (2) $9,365; total, $124,665.

OMAHA, NEB.—A. K. Bonta, Pres. Electric Development & Securities Co., Hoboken, N. J., has offered $10,000 bonus for 10-year city lighting contract. If granted franchise and contract a plant will be built here. Matter is under consideration.

DEADWOOD, S. DAK.—The properties of the Black Hills Electric Light Co., of this city, and the Belt Light & Power Co., of Lead, S. Dak., will be purchased by a new company to be known as the Black Hills Consolidated Electric Light & Power Co. J. J. Henry, of Denver, Colo., is interested. $25,000 will be spent in improvements at Lead.

MISSOULA, MONT.—W. A. Clark has secured water power rights at junction of Blackfoot and Missoula Rivers, where a dam and power plant will be constructed.

MEXICO, MO.—William McCabe has let contract for the erection of gas plant to the WESTERN GAS CONSTRUCTION CO., of Fort Wayne, Ind.

ENGLAND, ARK.—The MARTIN-REYNOLDS ELECTRIC CO., of Little Rock, has secured the contract to install an electric light plant at England for J. B. Gray. Cost, about $5,000.

DENVER, COLO.—Improvements which will cost over $300,000 are to be made by the Denver Gas & Electric Co., starting March 1. They include a new building, which will cost $100,000, and improvements and extensions to mains which will aggregate $200,000 more. C. W. Humphrey is Ch. Engr.

MUSKOGEE, IND. T.—Franchises are reported to have been granted by council to the Success Oil & Gas Co., the Great Chief Oil & Gas Co., and to Ira L. Reeves to pipe natural gas into the city from Tulsa, and possibly from Oklahoma.

ORIENT, WASH.—It is reported that J. J. Hill, Pres. of the Great Northern Railway, and Col. J. H. Peyton, are planning to harness the water power of the Columbia River at Kettle Falls. The construction of a big smelter is also said to be planned.

CONCONULLY, WASH.—E. P. Wheeler, Mgr. of the Mineral Hill mine at Conconully, has stated that the plans of the company for the year include the installation of an electric plant on Salmon Creek, from which 4,000 to 5,000 HP. can be developed, to furnish power for the mine, light for this city, and power for an electric railway to be built from Conconully to Alma.

HOQUIAM, WASH.—C. E. Burrows has been granted franchise by council for a gas and heating plant which is part of the proposed enterprise to be built in Aberdeen and other towns, to supply gas for light, heating, etc. A company will be incorporated, with $50,000 capital, to be called the Hoquiam Heating & Light Co.

FRESNO, CAL.—It is reported that the San Joaquin Power Co. will begin at once the construction of another power plant near the Crane Valley reservoir, with a capacity of 3,500 HP. R. S. Masson, Los Angeles, is Ch. Engr.

SAN FRANCISCO, CAL.—Nevada Power, Mining & Milling Co., Rialto Building, San Francisco, has awarded contract for 300 miles of aluminum wire for a three-phase main pole line to JOHN MARTIN & CO., New Montgomery St., San Francisco. Contract for wood stave pipe, which is to be used instead of a ditch, to convey power water from Bishop Creek to pen-stock, has been secured by the BOOTH-KELLY CO. It calls for 6,700 ft. of wood-stave pipe, 42 ins. in diameter, and 3,400 ft. 30 ins. in diameter. Oregon fir will be used in making the pipe. Contracts will soon be closed for the remaining section of 3,300 ft. of 24-in. steel pipe, which is to convey the power water from the pen-stock to the power house, and for the first generating unit consisting of a 750-kw. three-phase generator, and a direct-connected water wheel. The pipe line of the company is to have sufficient capacity to supply water for operating a second unit, making a total of 1,500 kws.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

GOUVERNEUR, N. Y.—It is reported that this city is considering the construction of a steel plate girder bridge over Oswegathchie River at Main St. Est. cost, $18,000.

NEW YORK, N. Y.—Bids are asked by Geo. E. Best, Comr. of Bridges, until March 2 for construction of lattice railings on footwalks of Williamsburg Bridge, over East River.

ALTOONA, PA.—Harvey Linton, Cy. Engr., writes us that a steel, pin-connected truss bridge will be built over the Pennsylvania R. R. tracks on a line with 7th St., this spring. There will be one span of about 168 ft., and approaches of about 370 ft. The maximum grade on the southern approach is 8.2%. Plans have been made by engineers of Pennsylvania R. R., and they will have charge of the erection of the bridge. The bridge will carry two tracks of the City Passenger Ry. The cost will probably be divided between the Pennsylvania R. R., the City Passenger Ry. Co., and the city of Altoona.

SUNBURY, PA.—The Sunbury Bridge Co. and Selinsgrove Electric Street Ry. Co. will build a bridge across Susquehanna River this spring. Geo. W. Drury and Guy Webster, of the York Bridge Co., are reported as being interested.

PITTSBURG, PA.—The contract for viaduct work along river front in Pittsburg, for Pennsylvania R. R. Co., has been awarded to McCLINTIC-MARSHALL CONSTRUCTION CO., City. It is for a double-track viaduct 3,500 ft. long. 4,500 tons of material will be required.

YORK FURNACE, PA.—An application has been made to State Department for a charter for York Furnace Bridge Co. which proposes to build and operate a toll bridge over Susquehanna near here. Incorporators: Frederick Shoff, Paul Heine, A. Buchanan and others.

WASHINGTON, D. C.—Bids are asked until March 23 for construction earth embankment approach to highway bridge across Potomac River, Washington, D. C. Smith S. Leach, Lt.-Col. Engrs., 1000 22d St., N. W. (Advertised, Engineering News.)

WASHINGTON, D. C.—The House Committee on Interstate and Foreign Commerce has ordered a favorable report on bill to authorize Leckrone & Little Whiteley R. R. Co. to construct a bridge across Monongahela on boundary line between Greene and Fayette Counties. The railroad is to run from Greene County to Leckrone, about 17 miles, where it will connect with Pennsylvania and Baltimore & Ohio railroads. R. B. Scandrett, of Pittsburg, Pa., and associates, are building it.

WASHINGTON, D. C.—The Senate District Committee has increased the limit of cost of the Anacostia bridge from $250,000 to $375,000, and has also authorized the construction of a bridge across Piney Branch on 16th St., at a cost of $50,000, giving $20,000 to begin the work; $394,000 are available for continuing work next year on Connecticut Ave. viaduct.

BESSEMER, ALA.—It is reported that $30,000 will be expended in the erection of a viaduct over tracks at Tenth St.

LOUISA, KY.—The House passed a bill authorizing the Louisa & Fort Gay Bridge Co. to construct a bridge across Big Sandy River, at or near Louisa.

DAYTON, O.—Local press reports state that an agreement has been reached between the Council and People's Ry. Co., which will result in erection of Washington St. bridge over Great Miami River. F. M. Turner is Cy. Engr.

JEFFERSON, O.—A $200,000 bond issue to provide for the building of a bridge at Ashtabula Harbor has been authorized by County Commissioners. Lewis A. Amsden is city engineer of Ashtabula.

CRAWFORDSVILLE, IND.—Bids are asked until March 15 for construction of an iron bridge over Coal creek; also for constructing a double cement arch on Danville. James A. Harding, County Surveyor.

AUBURN, IND.—At a letting held by DeKalb County Commissioners, Feb. 9, nine concrete steel arches were awarded as follows: Four to R. R. MOORMAN & CO., Lafayette, Ind.; three to FORT WAYNE (IND.) ARCH AND CULVERT CO., and two to CLEMMER & JOHNSON, Hicksville, O. Plans furnished by Fort Wayne Arch & Culvert Co., using Lane's Patent Steel-centered Concrete Arch Construction.

ALBION, IND.—Bids are asked by Noble County Commissioners until March 7 for construction of 28-ft. steel girder leg bridge, 14 ft. roadway, across Stangland ditch. John L. Henry, County Audr.

DETROIT, MICH.—Officials of Grand Trunk state that the company will continue its plan of building a bridge across Detroit River between Windsor and Detroit if the Michigan Central has decided independently to construct a tunnel under river. The two companies were negotiating with the object of jointly constructing a bridge. T. T. Irving is Resident Engr.

GRAND RAPIDS, MICH.—Leonard St. bridge will be repaired as recommended by L. W. Anderson, Cy. Engr., at a cost of about $1,800.

SPRINGFIELD, ILL.—It is reported that the Baltimore & Ohio Southwestern will soon begin the erection of a steel bridge 815 ft. in length over Okaw River, near here. Est. cost, $80,000. D. D. Carothers is Ch. Engr., Baltimore, Md.

MILWAUKEE, WIS.—The city has ordered the Board Public Works, Chas. J. Poetsch, Chn., to advertise for bids for new Sixth St. viaduct, including two bascule bridges, at a cost of $525,000.

SOUTH MILWAUKEE, WIS.—Bids will soon be received by Council for constructing a steel bridge on Tenth Ave.

SIOUX CITY, IA.—J. M. Lewis, Cy. Engr., informs us that plans have been prepared for a steel viaduct over tracks on Wall St. and City Council will shortly submit same to Board of Railway Commissioners for approval. Previously mentioned.

HARVEY, IA.—The Chicago, Rock Island & Pacific will commence work at once upon a new bridge across Des Moines River here. Cost, $35,000. The construction will be under the direction of K. J. C. Zinck, Div. Engr., Des Moines, Ia.

CEDAR RAPIDS, IA.—Council has voted to locate a new concrete bridge on Second Ave.

LINCOLN, NEB.—Bids are asked by Board of Supervisors of Harlan County until April 4 for steel bridges, per lineal foot, to be erected in county on or before Dec. 1, 1905. F. W. Stevens, County Clk.

KANSAS CITY, MO.—The Metropolitan Street Ry. Co. was granted the right to build $75,000 viaduct to James St., paralleling old structure.

LINNEUS, MO.—Bids are asked by T. L. McMichael, County Surv., until March 1, 11 a. m., for repairing bridge across Rariton branch; also for building a new bridge on a line between Linn and Adair Counties.

RANDOLPH, MO.—Senate passed bill authorizing the construction of a wagon and electric railway bridge over Missouri River near here.

VAN BUREN, ARK.—Senate passed bill authorizing the construction of bridge across Arkansas River near Van Buren, by Van Buren Electric Railway & Bridge Co.

MUSKOGEE, IND. T.—The construction of a $33,000 viaduct over the Missouri, Kansas & Texas tracks in this city at Court St., seems now to be assured. City Council voted $2,700 as the city's share of expense. The railroad company has agreed to bear $12,000 of the expense and the Muskogee Electric Traction Co. $10,000. The remaining amount will be raised by citizens of the town.

SPOKANE, WASH.—The contract for constructing Olive St. bridge has been awarded to ZERNGIBLE & MARSHALL, for $8,385.

KALAMA, WASH.—Bids are asked by Cowlitz County Commissioners until March 3, 11 a. m., for construction of county bridge across Coal creek. G. H. Thayer, County Audr.

KLAMATH FALLS, ORE.—Bids are asked by Klamath County Commissioners until March 1 for constructing a bridge, 134 ft. long and 16 ft. wide, across Lost River. Geo. Chastain, County Clk.

ST. ANTHONY, IDAHO.—Bids are asked by Fremont County Commissioners until March 6 for construction of three bridges in this county. Victor Hegsted, County Clk.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

FORT MILES STANDISH, MASS.—Provision will be made, it is said, for erecting officers' quarters, hospital, guardhouse, barracks, storehouse and for a complete one-company post, to cost about $125,000. (Post-office, Boston.)

NEW BEDFORD, MASS.—Bids are asked by Capt. H. C. Hodges, Jr., Q. M., until March 10 for constructing one set frame quarters for field officer and one double set frame quarters for two noncommissioned officers at Fort Rodman.

HARTFORD, CONN.—State armory and arsenal commission report recommends purchase of site on Main St., opposite Capitol Ave. for new armory. J. W. Bishop Co., Worcester, Mass., has submitted bid of $354,825 for its construction. The commission appointed consists of Arthur L. Goodrich, Chn., and Patrick McGovern, of Hartford; Rollin S. Woodruff, of New Haven; Edward Griswold, of Guilford; and James P. Woodruff, of Litchfield. Davis & Brooks, Hartford; and Major George J. Metzger, 19 West Huron St., Buffalo, N. Y., are associated architects. Previously noted.

NEW HAVEN, CONN.—Bids for construction of school at Orchard and Scranton Sts. are reported being received. Cost, $60,000. Noted previously.

ROCHESTER, N. Y.—Bids are asked by the state board of armory commissioners, Albany, until noon, March 21, for construction, structural steel, heating, plumbing, electric light wiring fixtures and gas piping for a state armory, at Rochester. Drawings and specifications may be consulted and blank forms of proposal obtained at the State Armory, Rochester. G. L. Heins, State Arch., Albany; Charles F. Roe, Maj.-Gen.; Nelson H. Henry, Adj.-Gen.; Lauren W. Pettebone, Brig.-Gen.; Fourth Brigade, N. G. N. Y., are armory commissioners.

NEW YORK, N. Y.—Col. John Jacob Astor, 23 West 26th St., it is reported, will build a hotel on the block front on the west side of Seventh Ave., from 43d to 44th Sts. Thomas J. Shanley, the restaurant proprietor, will be the lessee. The size of the plot is 140 × 200 ft.

General contract (1) for building public school 66, on Watkins and Osborn Sts., Brooklyn, has been awarded to CLARKE & STOWE, 229 Kent St., at $307,700. Contract (2) for plumbing and drainage awarded to WILLIAM C. ORMOND, 430 Kosciusko St., at $3,287.

Contract for sanitary work, etc., at public school 147, Brooklyn, was awarded to WILLIAM C. ORMOND at $33,700.

Contracts for additions to public school 23, Borough Richmond, was let to CONRAD HEWITT, 1123 Broadway, at $62,150. C. B. J. Snyder is Supt. Schools, Bd. Education.

Plans have been filed by Moore & Landsiedel, Third Ave. and 138th St., for two 5-story flats, on 136th St. west of Broadway for Transit Realty Co., 198 Broadway. Cost, $150,000. By Bernstein & Bernstein, Archs., 72 Trinity Pl., for seven 6-story brick flat houses, 39 × 112 ft. on 108th St., for Israel Lippman. Cost, $350,000.

Three plans have been prepared by Robert Maynicke, Arch., 298 Fifth Ave., for enlarging the present Cotton Exchange building at William and Beaver Sts. A committee has recommended that new building be erected at 64 Beaver St. It is said that building committee favors a 20-story building which would cost $1,500,000. The other two plans submitted place cost of proposed addition at $69,000 and $223,000, respectively.

BUFFALO, N. Y.—Bids are asked by Holy Angels R. C. parish for a parochial school. Cost, about $100,000. D. O. Von Heutblis, Kellogg Bldg., Washington, D. C., is Arch.

FORT NIAGARA, N. Y.—One commanding officer's quarters, to cost about $18,000, will be erected at this post if appropriation is approved. Other buildings under consideration as follows: Two sets field officers' quarters, $25,000; six captains' quarters, $55,500; one double set captains' quarters, $37,000; six lieutenants' quarters, $43,500; two double sets lieutenants' quarters, $27,000; six non-commissioned staff officers' quarters, $17,400; two stable guard and shop buildings, $6,500; two artillery stables, $35,000; gun sheds, $25,000; one band barrack, $14,000; two double barracks, $98,000; two field artillery barracks, $70,000. (Post-office, Youngstown, N. Y.)

JERSEY CITY, N. J.—School No. 6 will be rebuilt. James Wiseman, Clk. Bd. Education. An extension to school No. 27 is under consideration. Cost, about $125,000. John T. Rowland, 15 Exchange Pl., is Arch.

ALLEGHENY, PA.—F. C. Sauer, Arch., 801 Penn Ave., Pittsburg, is reported taking bids on a manual training school building to be erected at O'Hern St. and Irwin Ave., Allegheny. Three stories, brick, fireproof. Cost, $75,000.

PHILADELPHIA, PA.—JOHN R. WIGGINS & CO., Heed Bldg., have the contract for a 3-story school building, at 22d and Brown Sts., for the city. Cost, $124,000.

LYNCH BROS., Lippincott Bldg., have the contract for a 3-story school building, at Crown and Race Sts., for the city. Cost, $53,492.

PITTSBURG, PA.—Legislature has been petitioned to appropriate $500,000; $400,000 is required for purchase of site for new buildings. S. B. McCormick is Chancellor.

TYRONE, PA.—Beezer Bros., Archs., Vilsack Bldg., are preparing plans, it is reported, for a $100,000 bank and office building for First National Bank.

McKEESROCK, PA.—W. S. TRIMBLE & SONS CO., Allegheny, have contract for Y. M. C. A. building for Pittsburg & Lake Erie Ry. Co. Cost, $75,000.

McKEESPORT, PA.—Bids are asked by C. P. Fiedler, Secy. Bd. Education, until 1 noon, Feb. 24, for the construction of four school buildings. Plans and specifications can be seen at office of secretary and at offices of the following architects: Robinson & Winkler, Park Bldg.; E. J. Carlisle & Co., Westinghouse Bldg.; Thos. J. Herron, Publication Bldg., all in Pittsburg; and H. J. Lohman, National Bank of McKeesport Bldg., McKeesport.

NORRISTOWN, PA.—George I. Lovatt, Arch., 420 Walnut St., Philadelphia, has plans for a church for St. Patrick's R. C. parish. Cost, $100,000.

ANNVILLE, PA.—A. A. Richter, Arch., Lebanon, Pa., is preparing plans for a $50,000 dormitory, a $50,000 science hall and a central lighting and heating plant for Lebanon Valley College. Equipment will be needed for plant, it is stated.

BALTIMORE, MD.—The Savings Bank of Baltimore has awarded contract to JOHN HILTZ & SON, 3 Clay St., for the construction of bank building, at Baltimore and Charles Sts. Parker & Thomas, Archs., Union Trust Building. Cost, $250,000.

J. & S. H. LAMB, 233 West Preston St., are reported to have contract for Consolidated Gas Co. building at Liberty and Lexington Sts. Sperry, York & Sawyer, Calvert Bldg., are Archs.

CHARLES GILPIN, Philadelphia and Baltimore, has been awarded the contract to erect the Merchants' Hotel, on Howard St., near Baltimore St., for the Merchants' Hotel Co. James Preston, Pres. Hotel Co. Wyatt & Nolting, Archs., Builders' Exchange Bldg.

BALTIMORE, MD.—The municipal Board of Awards, City Hall, has rejected all of the estimates submitted for the construction of Eastern High School, at Broadway and North Ave. Simonson & Pietsch, Archs., Hoen Bldg. Cost of building will be about $350,000. New bids are to be advertised. Lowest bid was submitted by Thomas Riley, of Philadelphia, at $295,000.

WASHINGTON, D. C.—Wm. B. Metcalf, 1333 G St., N. W., has commissioned Beecher, Friz & Gregg, Archs., Cathedral and Hamilton Sts., Baltimore, Md., to prepare plans and specifications for an apartment house to be located on U St., between 14th and 15th Sts.

GEORGE A. FULLER CO., Hoen Building, 203 North St., Baltimore, Md., and New York, N. Y., has contract for the erection of $120,000 building for the Washington Times. McKim, Mead & White, 160 Fifth Ave., New York, are Archs. Contract is said to include steam heating, electric lighting and power plant.

Wood, Donn & Deming, Archs., 808 17th St., N. W., are preparing plans for an apartment house at 20th St. and Florida Ave., for Davidson & Davidson. Cost, $200,000.

WHEELING, W. VA.—F. C. Kennedy, Arch., Baltimore, Md., has plans in progress for an industrial school to be constructed for the Technical School, care P. J. Donahue. Building will be brick and stone, main building five stories, 90 × 200 ft.; two wings, four stories and rear building two stories. Cost, $250,000.

WHEELING, W. VA.—The contract for the construction of the post-office and court-house building has been let to RICHARDSON & BURGESS, Washington, D. C. The building is to be constructed of white marble and is to cost $259,815. Noted on Feb. 16.

CALDWELL & DRAKE of Columbus, Ind., have been awarded the contract for 12-story building, 100 × 127 ft., of fireproof construction, to be erected by Henry Schmulbach. Cost, $425,000. THE RIVERSIDE BRIDGE CO., Wheeling, was awarded contract for structural steel which will approximate 1,850 tons of material.

COLUMBIA, S. C.—Bids are asked until March 9 by J. T. Barron, Chn. Building Com., and Edwards & Walker, Archs., Columbia, S. C., for the erection of school building.

DUBLIN, GA.—Plans prepared for remodeling Laurens county jail by Geo. C. Thompson, Arch., have been accepted by the county commissioners. It will be fireproof construction, crome steel cells, modern plumbing. Approximate cost $20,000. Bids for construction are asked until noon, March 7. Albert R. Arnau, Chn. Bd. County Comrs.

MACON, GA.—Bids are asked by Supervising Architect, Washington, D. C., until April 3, for enlargement (except elevator, heating apparatus,, conduits and wiring) of the U. S. Custom House, Post-office, etc., at Macon. (Advertised, Engineering News.)

MONTICELLO, MISS.—Board of Supervisors of Lawrence county will receive plans and specifications until March 6 for a 2-story jail building (steel cells above and below), to cost about $10,000. Material in old jail (brick and cells) may be used. W. H. Speights, Clk.

SARDIS, MISS.—Bids are asked until March 6, 1 p. m., for construction of fireproof court house. L. M. Weathers Co., Arch. T. T. O'Bryant is Chancery Clk.

NASHVILLE, TENN.—Trustees of Peabody Teachers' College have voted $1,000,000 for general improvements. It is proposed to erect buildings to cost about $250,000. Included in the plans are a library building to cost $30,000, two dormitories to cost $50,000 each; a science hall, $30,000; a gymnasium, $30,000; a laboratory, $40,000; chapel and society halls will be erected also. John Bass is Secy.; James D. Porter, Chancellor.

LOUISVILLE, KY.—Bids are asked by D. X. Murphy & Bro., Archs., for a 7-story brick and stone store building, 40 × 220 ft., with asphalt roof, etc., to be erected at 628 West Market St., by the Rhodes-Burford Furniture Co. Cost, $70,000.

The Fountain Ferry Park Co., it is reported, will expend about $125,000 in improvements at Fountain Ferry Park. Plans will be prepared by D. X. Murphy & Bro. for a 2-story theater, 132 × 140 ft., and frame pavilion, 100 × 120 ft.

NEWBURG HEIGHTS (Cleveland Post-office), O.—Bids are asked by P. S. Ruggles, Clk. Village of Newburg Heights, until noon, March 11 (re-advertisement), for the construction of a public hall and police-station. Frederick Baird, Arch., American Trust Bldg., Cleveland.

SPRINGFIELD, O.—Bids are asked by C. H. Lyman, Grand Secy., I. O. O. F., Columbus, O., until 2 p. m., March 6, for constructing a brick annex to the I. O. O. F. Home, at Springfield. Plans, etc., at Builders' Exchange, Columbus, and at Cincinnati, Dayton, Springfield and Zanesville. Chas. E. Dawley & Bro., Springfield, are Archs.

CLEVELAND, O.—Bids are asked until March 13, noon, for building annex to Tod school. Separate bids are asked on various materials and in lump sum. Charles Orr, Dir. Schools, Bd. Education.

F. W. Smith, of the Burr Manufacturing Co., is reported having plans prepared for a new apartment building to be erected on Bolton Ave., near Hough St. Cost, $100,000.

TIFFIN, O.—C. J. Peters, Cy. Engr., writes us that Board of Regents of Heidelberg University expect to erect a large dormitory, and that plans for it are now being prepared by a Cleveland, O., architect. J. H. Platt is Pres., and J. C. Royer, Secy. of Regents, both of Tiffin.

EVANSTON, O.—The Walters Amusement Co., is reported to have plans in contemplation for a summer resort here. Buildings to cost $200,000 will be erected. R. F. Walters, 1431 Union Trust Bldg., Cincinnati, O., may be addressed.

TOLEDO, O.—W. A. Otis, Arch., 175 Dearborn St., Chicago, Ill., will prepare plans for an addition to and remodeling the Public Library building, Toledo. It will cost $150,000.

YOUNGSTOWN, O.—A new union station will be built here by the Erie and the Pittsburg & Lake Erie Ry. companies. It will be of brick and stone. Cost, $175,000. W. M. Dawley is Dir. Engr., at Youngstown, for Erie.

KENTLAND, IND.—Bids are asked until April 3 for erection, plumbing and heating of a court-house here. Joseph T. Hutton, Hammond, Ind., is Arch. Alonzo G. Purkey is Audr. Bids also are asked for installing complete steam heating plant.

WYANDOTTE, MICH.—The Legislature has passed an act authorizing the Board of Education to issue $50,000 of bonds for a high school building.

FORT WAYNE, MICH.—One double set captains' quarters, to cost $18,000; one double set lieutenants' quarters, $14,000; two double barracks, $96,000, are to be built at this post in 1905, it is said. (Post-office, Detroit, Mich.)

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CHICAGO, ILL.—Frederick A. Delano, C... Chicago, Burlington & Quincy Ry., in recent... Club, recommended the building of a series... either at Twelfth or Taylor Sts. These bu... cost probably $75,000,000.

CHICAGO, ILL.—The Illinois Life Insura... secured site at LaSalle and Madison Sts., ... be erected a 20-story building, which, it is ... cover 28,569 sq. ft. of ground. Total cost, ...

James R. Mann, Representative from Chi... titioned House of Representatives for an app... $250,000 for the purchase of furniture for the ... building in Chicago. It is said that the furn... installed by April 20, as favorable action is ...

B. H. Marshall, Arch., Cable Bldg., is pre... for a club house to be erected by the Chica... ble Club on Plymouth Pl. and Jackson Boule... mated cost, $150,000.

BARRINGTON, ILL.—Bids are asked until M... Board Education for building a brick school ... & Jones, McBride Block, Elgin, Ill., are Archs.

DELAVAN, WIS.—Bids are asked until M... erection of school building. Chandler & Pe... Racine, Wis. Arthur Bowers, Clk. School Board.

HILBERT, WIS.—Bids are asked until 4 p. m. ... for building a school house. Wm. Schmidler, ...

MADISON, WIS.—Bids, it is said, will soon be ... Cass Gilbert, St. Paul, Minn., for a 2-story and ... high school building, 450 × 250 ft., for Board of ... tion, O. S. Norsman, Clk. Cost, about $250,000.

MILWAUKEE, WIS.—Charles McKenny, Pres. ... Milwaukee Normal School, will apply to legislature for $175,000 appropriation for a new building.

OSKALOOSA, IA.—Bids are asked until March 13 for construction of a city hall building. S. R. Crissy, Cy. Clk. F. E. Wetherell, Oskaloosa, is Arch.

ST. PAUL, MINN.—Plans have been filed for a 7-story business block to be erected by George Sommers & Co. on Sixth St., between Rosabel and Wacouta Sts. It will be a modern structure of brick and stone, 150 × [illegible] ft., and will cost about $200,000. It is expected that work on the foundations will begin soon.

LAWRENCE, KAN.—Bids are asked by W. J. Coleman Secy., until 5 p. m., Feb. 28, for the erection and completion of a 3-story brick and stone building for the Y. M. C. A. Frank E. Wetherell, Arch., Oskaloosa, Ia.

HILLSBORO, N. DAK.—The plans submitted by Buechner & Orth, Archs., 602 Manhattan Bldg., St. Paul, Minn., have been accepted for the new Traill county court house. Cost, $60,000. Peter Davidson is County Auditor.

FORT MEADE, S. DAK.—Contracts have been awarded as follows: Plumbing at Fort Meade, CHARLES FULLMAN, Denver, Colo., $12,505; buildings, R. P. & E. O. HAMILTON, Omaha, Neb., at $49,011. Geo. K. Hunter, Q. M.

FORT MACKENZIE, WYO.—At this post it is proposed to build, during 1905, two sets field officers' quarters, to cost $29,000; two double sets captains' quarters, $42,400; one eight-set bachelor officers' quarters, $37,500; one administration building, $18,800; two double sets non-commissioned officers' quarters, $13,400; one band barrack, $15,750; two double barracks, $105,000. (Post-office, Sheridan, Wyo.)

ST. LOUIS, MO.—Storm & Farish are reported to have commissioned Mauran, Russell & Garden, Chemical Bldg., to prepare plans for 5-story store and office building, 100 × 65 ft., to cost $75,000.

ST. LOUIS, MO.—It is reported that preliminary work will be begun in the spring on Robert Barnes Memorial hospital. $400,000 is available. Bishop E. R. Hendrix, of Kansas City, is a Trustee.

PINE BLUFF, ARK.—Plans have been prepared for proposed $80,000 depot for the St. Louis, Iron Mountain & Southern Railway. W. T. Tyler, Little Rock, Ark., is Supt.

DULCE, N. MEX.—Bids are asked by the commissioner of Indian Affairs, Department of the Interior, Washington, D. C., until 2 p. m., March 9, for constructing a hospital building at the Jicarilla school. Charles F. Larrabee, acting-Comr. Plans are on file at 119 Wooster St., New York. H. H. Johnson, Dulce, N. Mex., is Supt.

DENVER, COLO.—John D. McGilvray has purchased site at East 11th Ave. and Ogden St., upon which will be built a brick apartment house to cost $60,000.

SEATTLE, WASH.—Bids are asked until March 15 by James Stephen, 726 New York Bldg., for a Y. M. C. A. building, 120 × 120 ft. A. S. Allen is Secy. Cost, $125,000.

FORT WIGHT, WASH.—Plans will be prepared for the following post buildings to be erected this year: One set field officers' quarters, $13,500; one double set captains' quarters, $21,500; one double set lieutenants' quarters; $14,500; one eight-set bachelor officers' quarters, $32,500; two double sets non-commissioned staff officers' quarters, $11,500; one band barracks, $14,500; two double barracks, $98,500. (Post-office, Spokane, Wash.)

VANCOUVER, WASH.—New buildings at Vancouver Barracks, for which appropriations will be made, are to be as follows: One double set captains' quarters, $17,600; two double sets lieutenants' quarters, $27,000; two double infantry barracks, $85,000.

BERKELEY, CAL.—Board of Education will issue $150,000 of bonds for new schools, if proposition meets with approval of voters.

LOS ANGELES, CAL.—Election to vote $520,000 of bonds for schools, probably on Feb. 15.

SAN FRANCISCO, CAL.—Following are three lowest bidders for construction of 21 buildings at new military station at Point Bonita, (1) being bid for building with stone foundation, and (2) with concrete foundation: James Campbell, (1) $199,512, (2) $189,704; I. Hirschfeld, (1) $213,054, (2) $203,575; P. P. Quinn, (1) $217,375, (2) $209,679. Burrell Construction Co., at $15,356, was low bidder for heating; Robt. Dalziel, Jr., $15,004, was low bidder for plumbing; and H. S. Tittle, at $29,710, was low bidder for electric wiring.

THE AMERICAN-HAWAIIAN ENGINEERING & CONSTRUCTION CO., LTD., 907 Rialto Bldg., San Francisco, Cal., has been awarded the contract for the construction of the new Hahnemann Hospital, San Francisco, at a cost of about $108,000. F. J. Amweg is Engr. and Mgr. of the American-Hawaiian Engineering & Construction Co., Ltd.

FT. BAKER, CAL.—Bids are asked by Capt. W. C. Wren, Q. M., Phelan Bldg., San Francisco, until 11 a. m., March 8, for the construction, plumbing, heating and electric wiring of a barrack for one company of coast artillery at Ft. Baker.

MONTREAL, QUE.—The Credit Foncier Franco-Canadian Co. will erect a 10-story building at St. James St. and St. Lambert hill. Cost, $400,000.

WATER SUPPLY AND IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—Augusta Water District has awarded contract for 5¼ miles of pipe, to be laid to Carlton Pond pumping, to the R. D. WOOD & CO., Philadelphia.

BRADFORD, VT.—We are informed that at village meeting Feb. 4 it was voted to pass over matter of securing additional water supply. W. H. Rounds is Town Clk.

SOUTHAMPTON, MASS.—Referring to action of town in voting to accept legislative act giving it the right to take water supply from Sodden and North Brooks, we are informed that the town does not propose to construct a gravity system at present. It was necessary to accept the act previous to Mar. 19, when the time limit would expire. The town has a pumping system at present, but may desire a gravity system, and by accepting the act it secures it for a future decision. The system is supposed to cost about $200,000. Town will probably investigate the Hazen well method, which is recommended by some. Joseph W. Wilson is Town Clk.

FALL RIVER, MASS.—City water-works department will let contract amounting to about $4,500 for pipe to WARREN FOUNDRY & MACHINE CO., New York.

GLOUCESTER, Mass.—Water Commissioners are stated to have awarded contract for constructing pipe line under canal to GOW & PALMER, 50 Congress St., Boston, Mass., for about $26,000.

GRANBRIDGE, MASS.—We are informed that report of Water Committee, A. R. Taft, Clk., will come before annual town meeting on March 6. Town will decide later as to new water supply. F. L. Fuller, 12 Pearl St., Boston, Mass., is Engr.

HOLDEN, MASS.—We are informed that specifications for laying six miles or more of cast iron water pipe will be ready to send out about March 1; bids for the work will be opened March 20. Henry W. Warren is Chn., Water Comrs.

SOUTH NORWALK, CONN.—Following bids were received Feb. 15 by Water Commissioners for constructing filtration plant at Wilton: Bunting Constructing Co., New York, $75,000 alternate, $68,500; sand hot washed, $2,000, $65,500. F. L. Wardwell & Co., Stamford, Conn., $68,800; alternate, $62,300. Gow & Palmer, Boston, Mass., $73,485; alternate, $73,000. Standish Stone Co., Bridgeport, Conn., $76,742; alternate, $73,950. Aberthaw Construction Co., Boston, Mass., $81,827; no alternate. Simpson Brothers, Boston, Mass., $86,288; alternate, $81,391.

CALLICOON, N. Y.—Bids are asked by Callicoon Water Co., Callicoon Depot, N. Y., until March 16 for constructing water-works system at Callicoon Depot. E. W. Moxley, Engr., Jefferson, N. Y.; Chas. A. Thorwelle, Secy. (Advertised, Engineering News.)

MEDINA, N. Y.—Bids are asked by this village, J. W. Cooper, Village Clk., until March 1 for furnishing materials and constructing water-works system. J. F. Witmer, Engr., Buffalo, N. Y.; W. B. Robbins, Village Pres. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked by Commissioner Water Supply, Gas and Electricity, 13 Park Row, until March 8 for furnishing and delivering 1,050 four-nozzle post hydrants and 40 two-nozzle fireboat connection hydrants for high pressure fire service mains. John T. Oakley, Comn.

ASBURY PARK, N. J.—We are informed that following bids were received Feb. 15 by Water and Sewer Department, Jno. L. Coffin, Supt., for furnishing and erecting a 200-HP. internally fired tubular boiler, (1) being bid for boiler and (2) amount allowed city for two old boilers: Edw. Burham, 71 Wall St., New York, (1) $4,880, (2) $400; A. D. Granger, 95-97 Liberty St., New York, (1) $4,385, (2) $200; W. B. Tucker, 46 W. Scott Pl., Elizabeth, N. J., (1) $3,867, (2) $100; Cleveland Steam Boiler Works, Cleveland, O., (1) $3,630; B. Franklin Hart, Jr., & Co., 143 Liberty St., New York, (1) $3,477, (2) $50; David C. Seymour, 49 Larrimee St., Newark, N. J., (1) $3,399; Pennsylvania Engineering Co., 800 Perry Bldg., Philadelphia, Pa., (1) $3,365, (2) $200; Harvard W. Read, Third and Arch Sts., Philadelphia, Pa., (1) $2,945; E. Keeler Co., 32 Broadway, New York, (1) $2,970, (2) $200; The Brownell Co., Betz Bldg., Philadelphia, Pa., (1) $2,787, (2) $100; The Edw. Hampson Co., 26 Cortlandt St., New York, (1) $2,725, (2) $135.

DELAWANNA, N. J.—Plans are reported well under way for installation of water-works here.

KNOXVILLE, PA.—Howard Murphy, Hydr. Engr., is preparing plans, estimates, etc., for water-works.

FORD CITY, Pa.—Bids are asked by Borough Council until March 6 for designing, furnishing and erecting two pumps each of 400,000 gallons capacity and two gas engines sufficiently large to operate pumps. M. Douglas, 503 Fifth Ave., Pittsburg, Pa., is Boro. Engr.

DECATUR, GA.—Election may be held to vote on bond issues for installing water-works and sewerage.

MONTGOMERY, ALA.—City is reported to have awarded contract for 8,000,000 gallon pump to ALLIS-CHALMERS CO., for $20,750.

CLEVELAND, MISS.—Bids are asked by P. B. Woollard, Town Clk., until March 4 for furnishing and laying 4,000 to 6,000 ft. 4-in. regulation water pipe.

ABBEVILLE, LA.—We are informed that proposed new municipal water-works will require steel tower and tank, six miles of pipe, 1,000,000 gallon pump, boilers, etc. Supply is to be from wells and est. cost of works is $45,000. Richard C. Huston, Laurel, Miss., is Engr.

HAMMOND, LA.—Mayor H. A. Kohnke writes us that nothing will be done regarding projected new municipal water-works until after May 1.

MEMPHIS, TENN.—Bids are asked until Feb. 28 by Memphis Artesian Water Department, Lawrence Simpson, Gen. Supt., for furnishing five electric a. c. motors to operate certain pumps. Bids are also asked for furnishing 1,000 ⅝-in. meters with proper connections, and 1,000 meter boxes.

CLEVELAND, O.—Bids are asked by Board of Public Service, A. R. Callow, Secy., until March 13, for furnishing and delivering all stop cock boxes and parts of same that may be required during 1905. (Advertised, Engineering News.)

TOLEDO, O.—Bids are reported asked until March 1 by Board Public Service, Harry Jones, Secy., for furnishing 500 tons cast iron pipe.

YORKTOWN, IND.—Yorktown Water-Works Co. has been incorporated with $5,000 capital by D. F. Cox, S. E. Hensley and M. B. Case, and it is stated that several improvements will be made this summer to the present small plant in this place.

GLENWOOD, MICH.—Contract for construction of water-works for this place, bids received Feb. 6, is stated to have been let to BROOKS & SON, Jackson, Mich., for $14,163.

MARION, IND.—City Engineer is to make estimates on cost of establishing two new 1,000,000-gallon reservoirs. T. E. Petrie is Cy. Civ. Engr.

ALPENA, MICH.—Mayor Frank C. Holmes writes us that city has voted to buy the plant of Alpena Water Co. A bond issue of $150,000 has been voted, $60,000 of which will go for purchase of plant, and the balance will be used to install new pumps, intake pipes and new mains and to put the system in first class shape. Jno. H. Bloomshield, Bay City, Mich., is Des. Engr.

KIRKLAND, ILL.—Village water-works considered; estimates set cost of system at $6,000.

MEYER, ILL.—Landowners of Lima Lake Drainage District are stated to have let contract for boilers for their proposed $20,000 pumping station at Big Slough, near this place, to MICHAELMAN BOILER CO., Quincy, Ill.

MILWAUKEE, WIS.—Bids are asked by Board Public Works, Chas. J. Poetsch, Chn., until Feb. 24 for furnishing 1,600 tons 4, 6, 12 and 16-in. cast-iron water pipe.

MUSCATINE, IA.—Water-works trustees are stated to have let contracts for two 3,000,000 gallon pumps, one each to the HOLLY MFG. CO., Buffalo, N. Y., and H. R. WORTHINGTON, New York.

BOONE, IA.—City, according to reports, will receive bids about March 1 for 5,000 ft. of water mains. K. C. Kastberg is Cy. Engr.

WAVERLY, KAN.—This city is now in the market for the sale of $15,000 issue of water-works and electric light bonds. W. H. Williams is Cy. Clk. and J. C. Fear, Mayor. Plans and specifications have been prepared by Burns & McDonnell, Consult. Engrs., Kansas City, Mo.

OSBORNE, KAN.—Bids are asked until March 15 for 80,000 gallon oval bottom steel tank, to be erected on 100 ft. steel tower. L. K. Green, Chn. W. W. Comn.

EDGEMONT, S. DAK.—The Mayor writes us that no contracts have been let as yet for projected city water-works. Supply is to be from a spring and a well, two miles distant from city, and est. cost of work is $20,000. A full outfit will be required.

WOODWARD, OKLA.—Mayor J. H. Hopkins writes us that franchise for new water-works has been granted to Chas. A. Smith, 53 Jacobson Bldg., Denver, Colo.

CHEYENNE, WYO.—Bids are asked until March 7, for extension of water system at Fort D. A. Russell, Wyo., consisting of about 370 ft. 6-in. and 340 ft. 4-in. cast iron pipe and two fire hydrants. Capt. W. S. Scott, Q. M., U. S. A.

ST. LOUIS, MO.—See under Streets and Roads.

GRAVETTE, ARK.—Referring to projected city water-works, A. C. Veach, Member Committee, writes us that surveys are to be made soon and estimates for construction will then be asked. Supply is to be from spring ½ mile from city, and cost of works is $8,000.

BROWNWOOD, TEX.—C. N. Davis, Supt. W.-W., writes us that city will buy a 2,000,000-gallon pump in a short time. A large reservoir is also to be constructed this year. H. B. Hardeman, Brownwood, is Des. Engr.

FORT COLLINS, COLO.—City officials have awarded contract for putting in head works for the new water-works to HOLME & ALLEN Denver, Colo., for $11,700.

MEEKER, COLO.—The date for opening bids for furnishing the material and constructing the water-works system has been changed from 2 o'clock P. M. March 4th to 8 o'clock P. M. March 20th. J. A. Blair, Clk. and Recorder.

BELLINGHAM, WASH.—Bids are asked by City Comptroller until March 2 for furnishing cast iron water pipe and fittings.

TACOMA, WASH.—We are informed that no date has been set for opening bids for new city water system. The matter must first be approved at general election. Work will require two stand pipes, two reservoirs, several miles 2 ft. wooden mains, hydrants, valves, etc. Supply is to be from wells and est. cost of system is $400,000. L. F. Connahe is Des. Engr.

IONE, ORE.—Contract for construction of water-works system for this city is stated to have been let to CHARLES M ROBINSON, Portland, Ore., for about $10,000.

SANTA ROSA, CAL.—L. E. Ricksecker, Cy. Engr., in report to Council, sets cost of projected water-works improvements at $37,160. This includes $12,608 for distributing pipes, $9,102 for 16-in. main from reservoir to pumping station, $14,650 for 12-in. main from pumping station to Fourth and E Sts., and $800 for covering reservoir.

SAN BERNARDINO, CAL.—The work of completing the dam of the Little Bear Reservoir of the Arrowhead Reservoir Co. in San Bernardino County, Cal., has been let to BRIGHT & DREW, the contractors who laid the foundation of the core wall last year. The work is divided into three sections, each covering one year. The aggregate estimate is $528,494; 25,000 yds. of concrete, 1,200,000 yds. of earth and rock filling, and 58,000 sq. yds. of rip rap will be required. Steam shovels and trams will be used and the embankment will be puddled to produce a result resembling the hydraulic fill. Preparations are being made for active work on all parts of this extensive plant. The employment of tunnels in place of outside conduits, wherever economically possible, is a departure, and, in this case, involves many miles of borings. All tunnels in the outlet system will be lined with concrete. No wood will be used in any part of the work. Victor C. Smith is Gen. Mgr., and E. H. Kellogg, Ch. Engr., San Bernardino.

BISHOP, CAL.—Date for opening bids by Town Trustees for water-works for this place has been postponed from Feb. 10 to March 10. The work was advertised in Engineering News of Dec. 8 to Dec. 29.

SMITHFIELD, UTAH.—We are informed that bids will be advertised for in about a month for projected municipal water-works. The supply is to be from springs about 10,000 ft. distant from city, and est. cost of works is $25,000. System is to be gravity one and will require a reservoir and about 50,000 ft. of iron pipe. Monson & Schaub, Logan, Utah, are Des. Engrs., and Mayor H. T. Peterson is official in charge.

BOISE, IDAHO.—Godfrey Sperling, Cy. Engr., writes us that at an election Feb. 11 that project for purchase of plant of Boise Artesian Hot & Cold Water Co., and Perrault Ditch, was defeated. The project included the purchase of the above plants for $290,000 and the expenditure of an additional $210,000 for their extension and for new works. It is probable that another election will be held.

NORTH BAY, ONT.—Bids are asked by M. W. Flannery, Town Clk., until March 20 for the various works in connection with change of the source of the water supply and installation of a system of sewers and their appurtenances. The system of water-works comprises the following: Laying 15,000 ft. 10-in. cast iron delivery pipe, with necessary valves, etc., with 330 ft. 12-in. intake pipe. New pumping station of brick 60 ft. x 24 ft., and engineer's dwelling of brick veneer. Supply and erection of 75 HP. boiler. Steel stack 30-in. diameter, 60 ft. high. Removal and reerection of present plant. The system of sewers comprises the following: Supplying and laying 20,000 ft. of 8-in., 10-in and 12-in. sewer pipe with manholes, flush tanks, etc. Construction of two septic tanks of concrete, each 100 to 40 ft. L. O. Clarke, Town Engr.

TORONTO, ONT.—Bids are asked by Mayor Thomas Urquhart, Chn. Board of Control, until March 21 for erection of either a 5,000,000 or 6,000,000 imperial gallon, triple expansion, fly-wheel pumping engine. (Advertised, Engineering News.)

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

LACONIA, N. H.—It is reported that F. G. Berry, City Engr., will prepare plans for sewers and disposal works for the section of the city known as The Weirs.

MANCHESTER, N. H.—Street and Park Commissioners require following appropriations for department work: $25,000 for sewers; bridges, $10,000; paving, etc., $40,000. Frederick Ramsey is Clk.

WATERTOWN, MASS.—W. F. Learned, Town Engr., writes us that bids will be opened early this spring for construction of concrete outfall drain, to cost about $7,000.

BUFFALO, N. Y.—Bids were received for laying branches and drain tile pipe for new 65th Regiment armory. Lowest bid was submitted by Timothy McEvoy & Son, 414 Niagara St., Buffalo, at $15,641. Barnd & Geiger, 11 West Mohawk St., bid at $15,995.

BUFFALO, N. Y.—Bids are asked until March 2, 11 a. m., for constructing 12 and 10-in. sewers in portions of three streets. Francis G. Ward, Comr. Dept. Public Works.

MAMARONECK, N. Y.—Bids were opened Feb. 17 by Village Trustees for constructing about 3½ miles of sewers. M. Decicco & Co., Larchmont, N. Y., was low bidder at $19,046 will be awarded contract. The work requires 56 manholes, 17 flush tanks, 320 ft., 12-in. sewer, 1,890 ft. 10-in. sewer, 16,120 ft. 8-in. sewer and 1,650 ft. 6-in. sewer. John M. Farley, White Plains, N. Y., was Engr. We are also informed that other work in connection with this sewer system will be let from time to time during the year.

NEW YORK, N. Y.—Bids are asked until 3 p. m., Feb. 23, for building a pipe sewer in DeWitt Clinton Park. John J. Pallas, Pres. Dept. Parks.

Bids are asked by Martin Littleton, Pres. Boro. Brooklyn, until 11 a. m., March 1, for sewer construction in portions of several streets.

ELIZABETH, N. J.—We are informed that city contemplates construction of two large storm water sewers. W. H. Luster, Jr., is Cy. Surv.

PENNSYLVANIA.—Elections were held on Feb. 21 in the following cities, according to report, to vote upon question of issuing bonds for new sewers: Tyrone, Mount Carmel, Harrisburg, Allegheny, Butler and Scottsdale.

WILKESBARRE, PA.—Complete specifications for excavating and backfilling of sewer trenches, constructing circular brick sewers, furnishing sewer pipe, etc., with plans for the work, are on file at office off Engineering News, New York. Bids close on Feb. 24. Advertised in Engineering News. W. V. Ingham, Cy. Engr.

TUNKHANNOCK, PA.—Benj. H. Shook informs us that sewer system will be installed soon. Bids are wanted. Cost, about $4,000.

NORFOLK, VA.—W. H. Taylor, Engr., is preparing plans for a sewer system, to empty into Tanners Creek. Cost, from $150,000 to $200,000. Previously noted.

BALTIMORE, MD.—Appropriation for street improvements in 1905 is $144,500.

STATESVILLE, N. C.—City council will apply to the legislature for leave to issue $10,000 of bonds for extending water-works and sewerage system and $10,000 for enlarging electric-light plant.

MACON, GA.—J. W. Wilcox, Cy. Engr., writes us that the city will build between three and six miles of sanitary sewers this year.

MONTGOMERY, ALA.—Bids are asked until March 6 for building storm water sewer in Whitman St. R. S. Williams, Cy. Treas.

TALLEDEGA, ALA.—Council has appropriated $5,000 for extension of sewer system.

HOLLY SPRINGS, MISS.—Bids are asked until 8 p. m., March 7 for constructing a system of house sewers, comprising approximately four miles of 8-in. pipe, septic tank, flush tanks, etc. Kirkpatrick & Johnson, Civil Engrs., Jackson, Miss. John Howard, Mayor. Claud McLain, Cy. Clk. (Advertised, Engineering News.)

ABERDEEN, MISS.—City will vote Feb. 27 on $70,000 bond issue for establishing sewerage and water-works. J. M. Acker is Mayor.

HAMMOND, LA.—Town has voted to issue $30,000 bonds for the construction of water-works and sewer system.

LEXINGTON, KY.—This city is to call for bids sometime this spring for construction of a sewer system. Thos. A. Comb is Mayor.

BOWLING GREEN, O.—This city, according to reports, contemplates the erection of a sewage disposal plant, $20,000. E. L. Spafford is Cy. Engr.

COLUMBUS, O.—Bids are asked until noon, March 8, for building main sewage pumping-station. Julian Griggs, Cy. Engr. Hering & Fuller, 170 Broadway, New York, are Consult. Engrs. Charles H. Frank, Secy. Bd. Public Works. (Advertised, Engineering News.)

NORWALK, O.—Maps, profiles, etc., of proposed trunk sewers on Milan and Elm Sts. have been received by Council. Estimated cost is $19,716.

LORAIN, O.—Bids are asked until March 11 for construction of brick sewers.

WEST LAFAYETE, IND.—Plans are reported under way for complete system of sewers for this place. Prof. C. V. Seastone is Town Engr.

MONROE, MICH.—Board Public Works is to report on cost of trunk line sewer on south side of city. Sewer will be two miles long and will cost about $100,000.

COLDWATER, MICH.—Board Public Works has rejected all bids received Jan. 26 for completion of trunk sewers in this city, and the city clerk is reported to be readvertising the work. The itemized bids were given in our issue of Feb. 9.

ST. LOUIS, MO.—See under Streets and Roads.

PEORIA, ILL.—Board Local Improvements have approved engineer's estimate on new sewer for South St. The construction is to cost $58,000.

DES MOINES, IA.—It is reported that bids will be called for about March 1 for sewerage improvements, to cost $40,000. John W. Budd is Cy. Engr.

FORT COLLINS, COLO.—Council, according to reports, will let contract March 1 for construction of sewer district.

DENVER, COLO.—A main sewer, to cost $200,000, may be built from City Park through Elyria to the Platte River.

NORTH YAKIMA, WASH.—City votes to issue $57,000 of bonds for building trunk line sewer. Ernest McCulloh, Engr.; J. C. Brooker, Cy. Clk.

TACOMA, WASH.—A new trunk line sewer will be built soon in the manufacturing district. The sewer will be built by day labor under the direction of the Commissioner of Public Works. No contract will be let. It will cost between $15,000 and $18,000 to construct the sewer to an outlet at tidewater.

OCEANPARK, CAL.—City votes to issue $20,000 of bonds for improving sewer system.

BISHOP, CAL.—Date of opening bids for the construction of a sewer system, bids for which were to have been opened by the Town Trustees on Feb. 10 (as advertised in Engineering News, Dec. 8-22), has been extended to March 10. Lippincott & Parker, Braly Bldg., Los Angeles, are Engrs.

OGDEN, UTAH.—A. F. Parker, Cy. Engr., has submitted plat to Council, showing the sewer system that he has planned for the locality between 28th and 30th Sts. and Jefferson and Wall Aves. The sewers as planned will cost $98,000.

NORTH BAY, ONT.—See under Water-Works.

FERNIE, B. C.—J. G. Cummings, Civil Engr., L. T. W. Block, Fernie, writes us that he has in progress considerable work for Firnie, in connection with the proposed water-works and sewerage system.

GARBAGE DISPOSAL—STREET CLEANING

The names of parties awarded contracts are printed in capital letters.

LOWELL, MASS.—City, according to reports, is to build a rubbish incinerator to cost $10,000. James P. Casey is Mayor.

MERIDEN, CONN.—Contract for street sprinkling for this year has been let to H. T. EXPRESS CO. Appropriation of about $5,000 is available.

NEW YORK, N. Y.—Following bids were received Feb. 15 by the Commissioner of Street Cleaning for labor and materials for erection of rubbish incinerator: R. J. Gerstle, 44th St. and 1st Ave., New York, $31,000; W. L. & G. H. O'Shea, $35,765; Luke A. Burke, $32,750; Abbott Gamble Co., $35,658.

Bids are asked until March 6 by Jos. Cassidy, Pres. Queens Borough, Jackson Ave. and 5th St., Long Island City, N. Y., for furnishing all materials and labor and constructing and delivering a plant for the final disposition of garbage, rubbish and light refuse to be collected in the Fourth Ward of the Borough of Queens, City of New York.

ALBANY, N. Y.—Board Contract and Supply has awarded contract for removal street dirt during 1905 to M. F. DOLLARD for $10,988.

ATLANTIC CITY, N. J.—Following bids were received Feb. 13 by City Council for collection of garbage from February to Sept. 15: Atlantic Products Co., $9,900; Francis S. Martland, Philadelphia, Pa., $13,490; Andrew Marcus, $13,885; Francis B. Coll, $14,300.

CLEVELAND, O.—Bids are asked until March 1 by A. R. Callow, Secy. Bd. Pub. Service for enlarging Cleveland garbage disposal plant at Willow, O.; by erection of machinery and buildings.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BROOKFIELD, MASS.—A. S. Brown, Jr., Surety Bonds, 85 Water St., Boston, Mass., writes us that contract for constructing section of state highway in this town has been let to LANE CONSTRUCTION CO., Meriden, Conn., for $6,270; same company was awarded contract for section of macadam road at $4,070. Bids were received Feb. 16.

WOONSOCKET, R. I.—The work of repaving Main St. will begin in the spring. Frank H. Mills is Cy. Engr.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until March 8 for regulating, grading, curbing and paving on a number of streets.

ELIZABETH, N. J.—We are informed that this city will receive bids until March 15 for 8,370 sq. yds. paving with trap block on sand foundation. W. H. Luster, Jr., is Cy. Surv.

WILDWOOD, N. J.—Bids were received Feb. 14 by Jed Du Bois, Boro. Clk. for constructing 25,000 lin. ft. cement curb and 125,000 sq. ft. cement sidewalks, the lowest bidders being Rudolph S. Blome Co., Unity Bldg., Chicago, Ill., at $6,000 for curb and $12,750 for sidewalks, and C. H. Platt, Mount Holly, N. J., at $6,250 for curb and $15,000 for sidewalks. Contract will be awarded Feb. 28.

PHILADELPHIA, Pa.—We are informed that the MACK PAVING CO., Land Title Bldg., City, is the lowest bidder on 40 streets of vitrified brick paving on Mack Mfg. Co.'s block in Philadelphia; approximately 85,000 sq. yds. Bids opened Feb. 17.

HARRISBURG, PA.—An agreement has been reached on the legislation which will add 14 acres to the area of state capital park.

WILKINSBURG, PA.—We are informed that ordinances have been passed for following street improvement work: Anderson St., 4,000 ft. of brick paving Hill St., 200 ft., ligonier block; Glenn St., 200 ft., ligonier block; Montier St., 4,000 ft., brick paving. No estimates have been made as yet. Frease & Sperling are Boro. Engrs.

BALTIMORE, MD.—B. T. Fendall, Cy. Engr., informs us that advertisement for proposals for paving with asphalt blocks on a number of streets will probably appear in Baltimore "Sun" about March 15. Est. cost, $145,000.

WASHINGTON, D. C.—G. McDonald, Orange, Va., at $10,350 was low bidder for grading Sec. 1 of 14th St. extended, and G. B. Mullin, Washington, D. C., at $15,275 was low bidder for grading Sec. 2. Bids were received by District Commissioners Feb. 18. C. B. Hunt, Engr. Highways.

WHEELING, W. VA.—It is reported that Board Public Works will soon invite bids for paving of Main St.

JACKSONVILLE, FLA.—Bids were received Feb. 13 by Board Public Works, Philip Prioleau, Cy. Engr., for constructing 37,800 sq. yds. vitrified brick pavement, the contract being let to JNO. N. C. STOCKTON, Jacksonville, Fla.

NEW ORLEANS, LA.—It is expected that the Council will soon call for bids for the paving of Atlanta St. with asphalt. W. J. Hardee is Cy. Engr.

LOUISVILLE, KY.—Bids are asked by Board Public Works until Feb. 24 for improvement of St. Xavior and Caldwell Sts., and Ormsby Ave. Est. cost, $15,000. J. B. F. Breed, Cy. Engr.

CINCINNATI, O.—Bids are asked by Board Public Service until March 10 for resurfacing Central Ave. with asphalt. Geo. F. Holmes, Clk.

FINDLAY, O.—Frank C. Ray, Cy. Clk., announces that the Council will improve Clinton St. by paving with vitrified block at a cost of $5,804. Bids will soon be invited. J. W. S. Riegle is Cy. Engr.

TOLEDO, O.—Bids are asked by Board Public Service until Feb. 28 for repaving a portion of Jefferson Ave., and for improving portions of Idaho, Water and Winthrop Sts. Harry S. Jones, Secy.

CAMBRIDGE, O.—Bids are asked by Board Public Service until March 14 for grading, curbing and paving with vitrified brick on North Seventh St., about 5,800 sq. yds. W. H. C. Hanna, Pres.

RENSSELAER, IND.—We are informed that no contract has been awarded, bids opened Feb. 7, by County Commissioners, for constructing 13½ miles of gravel road. The matter was continued March term of Commissioner's Court. James M. Leatherman is County Audr.

INDIANAPOLIS, IND.—Bids are asked by Board Public Works until March 1 for repairing asphalt and vulcanite street pavements on which guarantee period of maintenance has expired. M. A. Downing, Chn.

BEDFORD, IND.—Bids are asked by County Commissioners until March 9 for constructing the following gravel or macadamized roads in Marshall Township: Trogden Lane, 7,000 ft.; Guthrie and Limestone Roads, $12,825; Peerless Road, $16,786; Guthrie and Bartlesville Road, $4,666; Dunn-Anderson branch of Peerless Road, 4,760 ft.; Brinegar Lane, 2,800 ft. Anselm Wood, Chn.

MARION, IND.—County Commissioners have contracted with L. C. LILLARD, City, for construction of a boulevard, one-half a mile in length, for $17,252.

SOUTH BEND, IND.—Board Public Works has adopted resolutions declaring in favor of paving a number of streets with brick. R. J. Hammond is Cy. Engr.

JEFFERSONVILLE, IND.—A movement is on foot to construct a boulevard between this city and New Albany. Victor W. Lyon is Cy. Engr.

TERRE HAUTE, IND.—The Board of Works has directed City Engineer Kidder to prepare plans and specifications for paving Wabash Ave. with brick and concrete curbing and sidewalks.

HOUGHTON, MICH.—Village Council has decided to pave Huron and Isle Royale Sts. with cedar blocks on the recommendation of Village Engineer Clausen.

TUSCOLA, ILL.—W. E. Price, County Surv., writes us that city is preparing to lay about 9,000 sq. yds. brick paving on concrete foundation.

BELOIT, WIS.—Plans are being prepared by Robt. Caldwell, Cy. Engr., for about three-quarters of a mile of brick paving with stone curbing.

LA CROSS, WIS.—A large amount of brick paving has been ordered by Common Council, according to local press reports.

FORT LEAVENWORTH, KAN.—Bids are asked until March 3 for grading. Maj. D. E. McCarthy, Q. M.

ST. LOUIS, MO.—Bids were opened Feb. 14 by Board Public Improvements for street work, the lowest bidders being as follows: Cabanne Ave., William R. Bush Construction Co., $5,617; Ashland Ave., Fruin & Colnon, $8,384; Wells Ave., Fruin & Colnon, $23,551; Howard St., William R. Bush Construction Co., $6,094; Garfield Ave., William R. Bush Construction Co., $4,342; Prairie Ave., William R. Bush Construction Co., $93,200; Cote Brilliante Ave., Fruin & Colnon, $8,277.

WEBB CITY, MO.—We are informed that contract for about 18,275 sq. yds. vitrified brick pavement has been let A. F. FRANKS, Jacksonville, Ill. Mr. Franks, we are informed, will probably be in the market for material. No machinery, however, probably will be needed. L. O. Walker is Cy. Clk.

ST. LOUIS, MO.—We are informed that this city, through its Board of Public Improvements, Waller Edwards, Secy., will, between Feb. 14 and May 1, let contracts amounting to $1,250,000 for street and alley construction; contracts amounting to $500,000 for sewers; and contracts amounting to $250,000 for furnishing and laying water mains. Bills are now pending before the Municipal Assembly providing for $500,000 more of streets and alleys; $250,000 more of sewers, and for a 7-ft., 19,330 ft. long steel flow pipe, the estimated cost of which laid is $600,000. It is expected that these bills will pass so that the work can be let by June 1. Contracts are to be let from time to time until the work is let.

TACOMA, WASH.—Frank L. Davis, Cy. Engr., informs us that estimates are not yet finished for asphalt paving about 150,000 sq. yds. of streets, but the cost will reach approximately $400,000. Bids will be received some time in March for about $200,000 worth and the remainder will be let not later than April 15. Wm. Welsh, Comr. Pub. Wks.

TORONTO, ONT.—The City Engineer has recommended the paving of a large number of streets.

STRATFORD, ONT.—City Council has passed by-law that Downie St., from George to Shakespeare, be paved with brick, and the remainder of Downie St. and all Market St. with asphalt block. City Engineer will submit a further report on advisability of constructing an asphalt block pavement on Ontario St.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

CALAIS, ME.—The contract for erection and completion of entire plant of St. Croix Paper Co., including water power development, was awarded Feb. 16 to FRANK B. GILBRETH, 34 West 26th St., New York. Geo. F. Hardy is Engr., 309 Broadway, New York. The plant will consist of the following buildings: Sulphur storage, sulphur burning, acid, digestor, blower, screen, genera... pump, grinder, heater, boiler, finishing, machine and ... With the exception of store building which is a fra... structure, the entire plant will be of brick and ste... ad-dition to the above, a long tailrace is to be e... d is the ledge and two dams erected. FRANK B. G... SETH has the entire contract, and will handle all ma... per-taining to the erection of plant. The plant is to ... rected on the St. Croix River near Calais.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

NEWPORT, N. H.—D. Richard Son & Co. w... ct a five-story brick woolen mill, 116 × 142 ft.

CHARLESTOWN, MASS.—The Puritan Brew... 46 Roland St., has invited bids for an additio... heir brewery. Brick and steel, 2 stories, 20 x 14... Cost, $30,000.

WOONSOCKET, R. I.—It is stated that Charl... berg-hien & Bro. will build a $300,000 plant for the ... ufac-ture of worsteds.

HORNELLSVILLE, N. Y.—It is reported that ... Erie Railroad Co. will expend $150,000 the coming ... on enlargements and improvements of shops her... W. Allen is Div. Engr., City.

PENN YAN, N. Y.—The Standard Wine Co. ... incor-porated with $30,000 cap. stock. Chas. E. Ha... ay is principal promoter. Plans have been submitt... for a structure, 40 × 80 ft., built of concrete.

GREENWICH, N. Y.—Continental Bag Co., Gr... wich, is reported to be planning to make several improvements.

MECHANICSVILLE, N. Y.—James R. Smith & ... are reported in the market for 250-HP. tubular boilers, to be used to operate a milk condensing plant.

NEW YORK, N. Y.—Bernard Ebeling, Arch., West Farms Road, has plans for a frame factory for A. F. Bertin, Wendover and Park Aves. Cost, $7,000.

BROOKLYN, N. Y.—E. N. Stowe, Arch., 816 Park Place, has plans for a factory for J. Vanderveer, 180 Montague St. Cost, $30,000.

BROOKLYN, N. Y.—L. Gillar, Arch., 755 Monroe St., has plans for a factory for J. R. Planten, 44 Eighth Ave. Cost, $15,000.

ROME, N. Y.—The Merchant Iron Mill was burned recently, the loss being $150,000. John Stevens, principal owner, states that plant will be rebuilt at once.

ROCHESTER, N. Y.—The Pulver Chocolate Co. will build a factory on Lyell Ave. Brick, 3 stories, 60 × 200 ft. Plans are being drawn and contracts will be let soon. H. H. Pulver is Pres.

WATERTOWN, N. Y.—The Valentine & Bentley Silk Co., which has a factory in this city as well as plants in New Jersey, has issued $500,000 worth of bonds to build new mills and install new machinery.

DOVER, N. J.—John Moller is having plans drawn for a large addition to be erected to silk hosiery factory of Paul Guenther & Co., on King St.

BAYONNE, N. J.—Arthur G. Longyear, Arch., 126 Liberty St., New York, has plans for three brick factory buildings at Sixth St., Bayonne, for Durham Mfg. Co., 377 Pearl St., New York. Cost, $18,000.

UNIONHILL, N. J.—Emil Guhl, Arch., 19 Charles St., Jersey City, has plans for a three-story brick factory, on Pierce Ave., for Samuel Bamert, 171 Franklin St., Unionhill. Cost, $8,500.

HOBOKEN, N. J.—Chas. Fall, Arch., 410 Washington St., has plans for a four-story brick factory, at Adams and 15th St., for Frederick Verdon.

TRENTON, N. J.—A. Swan, Arch., has plans for a two-story factory building for United States Globe Rubber Co.

CONNELLSVILLE, PA.—The Keystone Planing Mill Co. has been incorporated with a capital of $5,000. W. E. Mier, Pennsville, Pa., is one of the incorporators.

PHILADELPHIA, PA.—Wm. Steel Sons, 16th and Arch Sts., want sub-bids for an addition to mill at Ruth and Somerset Sts., for Orinoka Mills Co. Brick, 5 stories, 60 × 188 ft.

PHILADELPHIA, PA.—R. C. Chance's Son, 435 Spruce St., want bids for a four-story factory at 122-124 Pine St.

PITTSBURG, PA.—The Monongehela Casting Co. has been chartered with a capital of $100,000. Hugh H. Davis, Sewickley, Pa., is one of the incorporators.

BEAVER FALLS PA.—The plant of the Penn Bridge Co. was almost entirely destroyed by fire, entailing a loss estimated at $75,000.

CHESTER, PA.—The Seamless Rolled Steel Pipe Co., Real Estate Trust Bldg., Philadelphia, has invited bids for a new plant. Brick and steel 2 stories, 280 × 160 ft. and 50 × 100 ft.

ALLENTOWN, PA.—A. H. Balher, 125 North Lumber St., will soon have plans started for a four-story cigar box factory.

LANCASTER, PA.—A. M. Dallinger has invited bids for a two-story factory to include a machine shop and blacksmith shop.

READING, PA.—Wm. A. Fink, Arch., 426 Franklin St., is preparing plans for an addition to cigar factory for Fleck Cigar Co. Brick, 2 stories, 50 × 125 ft.

WILLIAMSPORT, PA.—M. B. Ritter, Arch., has invited bids for a factory for J. H. Heilman & Bro. Brick and steel, 7 stories, 70 × 145 ft.

ASHLAND, PA.—Jacoby, Weishampel & Biggin, Archs., Allentown, will prepare plans for a fertilizer factory for J. G. Reichard & Bro. Frame, 3 stories, 40 × 140 ft.

WILMINGTON, DEL.—Edwin Gilbert & Co. have asked for proposals for new car shops at Wilmington for Harlan & Hollingsworth Co. Brick and steel, 1 story, 600 × 80 ft. Hill & Thompson are Archs., Ford Bldg.

BALTIMORE, MD.—Bartgis Bros. Co., Linden Ave. and Hoffman St., will soon have plans started for a paper box factory. Brick, 4 stories, 50 × 100 ft.

ROANOKE, VA.—The Virginia Bridge & Iron Co. informs us that they have practically arranged for contemplated improvements to plant.

BERKELEY, W. VA.—Pleasant & Co., capital $50,000 to $40,000, will establish sand works here.

IVA, S. C.—A company will be organized with $250,000 capital to erect a 10,000-spindle cotton mill. D. P. McBrayer, of Anderson, is one of the promoters.

DOERUN, GA.—Feniston Lumber Co. will erect a saw mill here.

FORSYTHE, GA.—Emerson Corley, City, will erect a saw mill.

SAVANNAH, GA.—The copper works of McMillan Bros., which were burned recently, will be rebuilt at once.

DALTON, GA.—Mariatt & Dozier, Archs., Richmond, Ind., are preparing plans for a five-story flouring mill, 150 × 150 ft., for Barrett, Denton & Lynn, of Dalton. Cost, $25,000.

JACKSON, TENN.—C. Owen & Co. will erect a large brick plant here.

ABERDEEN, MISS.—A mill will probably be established here to manufacture cotton rope and cordage. Geo. L. Rather is interested.

HATTIESBURG, MISS.—The Mississippi Central Railroad Co. and the Newman Lumber Co. will establish car works here. M. H. McCabe is Supt., City.

LINCOLN, LA.—J. M. Sonner, of Pulaski, Va., has purchased timber lands here and will erect mills.

MEMPHIS, TENN.—The Jackson Fiber Co. will double the capacity of its cotton mill. When the additions are completed the plant will represent an investment of $1,500,000.

COLUMBIA, TENN.—The Webster-Locke Milling Co., capital $15,000, will establish a flouring mill here. A 30,000-bushel tank elevator will be erected.

JOHNSON CITY, TENN.—An insulator pin factory is to be established here. Address T. J. Galloway, Pres.

EMINENCE, KY.—The citizens will erect an ice factory. Address the Mayor.

LOUISVILLE, KY.—E. L. McLain, Greenfield, O., has purchased a site on Market St., Louisville, of seven acres, for a woodenware factory. Cost, about $75,000.

LOUISVILLE, KY.—McDonald & Sheblessy, Archs., Fourth Ave. and Main St., have plans for a factory building for Hirsch Bros., vinegar manufacturers, to be erected at 14th and Walnut Sts. Brick, 60 × 85 ft., 4 stories. Cost, $28,000.

WEST JEFFERSON, O.—J. A. Jones, Arch., Columbus, O., received bids Feb. 15 for a canning factory for Darby Canning Co., at West Jefferson. Plant will consist of main building, office building, two warehouses, cooking room, husking building and boiler and engine house.

BIRDS RUN, O.—The Toledo Coal & Clay Co., Spitzer Bldg., Toledo, has increased its capital to $500,000 for the purpose of erecting a brick and sewer pipe plant at Birds Run, to be operated in connection with the coal mine owned by the company. The new plant is to have a capacity of 30,000 bricks a day.

NORWOOD, O.—Whitman-Barnes Co., rubber manufacturers, Akron, O., contemplate locating here, where they will erect a large plant.

CINCINNATI, O.—J. Conway & Co., machine manufacturers, have purchased property on which they contemplate erecting a plant.

CINCINNATI, O.—The Cincinnati Fly Screen Co. has purchased a site upon which to erect a four-story building, 150 × 95 ft.

COLUMBUS, O.—Bids were received by David Riebel, Arch., Feb. 20, for the following buildings: The United States Hoe & Tool Co., to be erected on Dubois Ave.: Main building, 45 × 425 ft., 2 stories; handle shop, 64 × 100 ft., 1 story; dry house, 40 × 20 ft., 1 story; warehouse 40 × 100 ft. 2 stories; power house, 50 × 60 ft., 1 story.

JEFFERSONVILLE, IND.—The Louisville Cement Co. has been granted two franchises by Clark County Commissioners, and will erect a Portland cement plant near this place in the near future.

KEWANNA, IND.—Jas. H. Rhodes, Arch., 429 Broadway, Logansport, Ind., has plans for a two-story machine shop 50 × 150 ft. and a one-story foundry building, 60 × 100 ft., to be erected at this place.

RICHMOND, IND.—S. O. Yates, Arch., has prepared plans for a four-story manufacturing building, 50 × 150 ft., for J. M. Dutton & Co., manufacturers of coffins. Cost, $20,000. Powell Bros, masons; carpentry work, owners in charge.

EAST JORDAN, MICH.—The saw and heading plant of the East Jordan Cooperage Co. burned. Loss, $10,000. It will be rebuilt.

KALAMAZOO, MICH.—C. A. Fairchild, Arch., has taken bids for the buildings for the Kalamazoo Stove Co.

MILWAUKEE, WIS.—Chas. H. Stehling, 508 Commerce St., heads the Charles H. Sterling Co., incorporated with capital of $50,000 to build tanneries.

BELOIT, WIS.—The Beloit Iron Works has had plans made and will receive bids in about 30 days for a one-story brick erecting shop, 50 × 250 ft. Cost, $10,000.

FORT DODGE, IA.—The Minneapolis & St. Paul R. R. Co., local reports state, will build its division shops at this place. H. G. Kelley is Ch. Engr., Minneapolis, Minn.

NORTH PLATTE, NEB.—The Standard Sugar Co., with principal plant at Ames, Neb., has entered into agreement with farmers at North Platte to build factory there this season, to manufacture output of 6,000 acres of beets. H. G. Leavitt, care Omaha Club, Omaha, is Pres.

LARAMIE, WYO.—The Union Pacific R. R. Co. will double the capacity of its tie preserving plant here.

SPRINGFIELD, MO.—An overall factory will be established at 233 West Commercial St. Benj. J. Martin will be manager.

JEFFERSON BARRACKS, MO.—Bids are asked by Maj. Thos. Cruse, Q. M., St. Louis, until March 10 for constructing brick bakery at Jefferson Barracks.

BENTON, ARK.—M. D. Couch, of Little Rock, will establish a canning factory here.

GREEN FOREST, ARK.—W. C. Russell will establish a syrup mill here, of 150 galls. capacity.

ATHENS, TEX.—The Athens Canning Co., capital $5,000, has been chartered. Incorporators: A. F. Wood, A. W. Bass and James Warren.

GALVESTON, TEX.—The Texas Bottling Works have let contract for construction of a two-story brick building here, to cost several thousand dollars. The building will be occupied by the bottling works. Considerable additional machinery will be purchased.

DENVER, COLO.—Dallas Osborne, 325 Cooper Bldg., is at the head of a new company formed for the erection of a one-story brick box factory, to cost, with machinery, about $10,000.

DENVER, COLO.—D. C. Dodge, 171 Dodge Bldg., has decided on the erection of a laundry building, to cost, with machinery, about $20,000.

CHEHALIS, WASH.—It has been definitely decided by Citizens' Club and Geo. Nolan, representing American Flax Fiber Co., of San Francisco, Cal., that flax factory be built in Chahalis. Work will commence at once. New plans call for expenditure of about $20,000.

PORTLAND, ORE.—G. W. McNear, of San Francisco, Cal., will build four mills here. Est. cost, $100,000.

SAN FRANCISCO, CAL.—The Pacific Steel & Wire Co., Frank L. Brown, Gen. Mgr., with offices at 160 Front St., San Francisco, and works on 22d Ave., Oakland, is contemplating the erection of a copper working plant this year. Complete estimates have just been received for a plant to manufacture copper rods, sheets, wire and other copper products.

OWEN SOUND, ONT.—The Imperial Cement Co. has decided to increase the output of their factory. Est cost, $35,000.

READERS' WANTS

If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of ENGINEERING NEWS BUYERS' GUIDE will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. Do not fail to write our advertisers or us.

ICE-MAKING MACHINERY.—Meridian, Miss.—S. A. Neville is in the market for the above.

RAILS.—Durant, Ind. T.—I. B. Walker is in the market for about three miles of 30-lb. rails.

LOGGING MACHINERY.—Colleton, S. C.—The Colleton Cypress Co. is in the market for the above.

FREIGHT ELEVATORS.—Roanoke, Va.—J. F. Barber & Co. are in the market for two elevators.

PAINTS, GLASS, ETC.—Columbia, Tenn.—The Riverside Planing Mills wants prices for the above.

ENGINES AND BOILERS.—Pine Bluff, Ark.—The Bluff City Brick Co. is in the market for the above.

ASBESTOS CURTAINS.—Tampa, Fla.—D. T. Eichelberger, 1111 Franklin St., is in the market for fireproof curtains.

SUGAR MACHINERY.—Philippines.—S. A. Reich, P. O. Box 340, Manila, is reported in the market for sugar machinery.

ELECTRICAL MACHINERY.—Charleston, W. Va.—The Charleston Electrical & Supply Co. is in the market for the above.

STEEL SIGNS.—Charlotte, N. C.—The Smith Mfg. Co., Y. M. C. A. Bldg., is in the market for 3 × 10 steel or aluminum signs.

ELECTRIC RAILWAY SUPPLIES.—Corea.—H. Collbran, of the Seoul Electric Ry., Seoul, Corea, is in the market for supplies.

CONTRACTORS' SUPPLIES.—Johnson City, Tenn.—M. S. Weaver & Co., Archs. and Engrs., are in the market for various supplies.

SURVEYING INSTRUMENTS.—Concord, N. C.—Q. E. Smith, Cy. Engr., writes us that he is in the market for surveying instruments.

BUILDING SUPPLIES.—Baltimore, Md.—The Russell Construction Co., 17 East Saratoga St., is in the market for building supplies.

IRON BRIDGE WORK.—Decatur, Ala.—The Decatur Transportation & Mfg. Co. wants bids for building a bridge over the Tennessee River.

HEATING APPARATUS.—Rosedale, Miss.—W. B. Roberts, care of the Valley Bank, is in the market for hot water heating plants for dwellings.

CONCRETE MIXER, CRUSHERS, BUILDING BLOCKS, ETC.—Fort Worth, Tex.—The Hydraulic Building Stone Co. is in the market for the above.

RAILWAY EQUIPMENT.—Birmingham, Ala.—W. J. Francis, 411 Chalifoux Bldg., is in the market for 8,000 ft. of 60-lb. rails, angle bars, bolts, cars, etc.

ELECTRIC SUPPLIES, ETC.—Japan.—Bagnall & Hillis, Exporters, Yokohama, Japan, are in the market for supplies for an electric plant and street railway.

ONE TWO-YARD DUMP WAGON AND ONE ROAD GRADER.—Summit, N. J.—Edward D. Rich, Cy. Engr., writes us that he is in the market for the above.

16 WOODEN TANKS, DRYERS, SHAFTING, FILTER, ETC.—London, Tenn.—H. O. Smith is in the market for the above, as well as other material, for the proposed lime works.

FUEL BRIQUETTE MACHINERY.—Dallas, Tex.—Eugene Couch, 741 Juliette St., writes us that he wants the names of manufacturers of fuel briquette machinery, and asks for catalogues.

REINFORCED CONCRETE, STRUCTURAL MATERIAL, ETC.—Chili.—Benigno Polanco, Jr., C. E. and Contractor, Box 671, Valparaiso, writes us that he is in the market for the above.

HOISTING ENGINE, 70-HP. BOILER, ETC.—Birmingham, Ala.—The Burnwell Coal Co., Chalifoux Bldg., is in the market for a 70 or 80-HP. tubular boiler, hoisting engine, lumber, brick, roofing, etc.

TEXTILE MACHINERY.—China.—W. T. Gracey, U. S. Vice-Consul, Nankin, China, reports that he has an inquiry for the above, and wishes to receive catalogues, etc., which will be referred to the Viceroy.

CONCRETE BUILDING BLOCKS.—New York, N. Y.—F. R. W. Cleredon, 551 East 179th St., writes us that he wants the addresses of manufacturers of concrete building blocks and of the block machines.

CONCRETE MIXERS AND SIDEWALK LIGHTS.—San Francisco, Cal.—Dyer Bros., 360 Second Ave., write us that they want the addresses of makers of sidewalk lights for factories, and also of concrete mixers.

DRILLS.—New York, N. Y.—Walter Goodnough, Asst. to Ch. Engr. N. Y. Edison Co., Waterside Station, 38th St. and First Ave., writes us for the address of makers of black diamond drills, used for drilling in stone or concrete.

WOOD-WORKING MACHINERY.—Wytheville, Va.—R. L. Peirce is reported as in the market for machinery for turning out axe and pick handles, and also are B. B. Easterling, of Barnwell, S. C., and A. P. Finger, of Lincolnton, N. C.

TRAVELING CRANE, 10-TON CHAIN HOIST, 10-IN. SHAPER, BENDING ROLLS, 30-IN. ENGINE LATHE, SHOP SAW, TWO-TON CUPOLA, ETC.—Sumter, S. C.—The Sumter Iron Works, Box 264, is in the market for the above for its new plant.

STREET RAILWAY EQUIPMENT.—Boston, Mass.—C. F. Remington, 50 Congress St., Boston, writes us that he wants quotations for furnishing the equipment of the proposed electric road for the Plymouth County St. Ry. Co. The poles, ties and iron are already bought.

CHAIN BLANKETS.—Indianapolis, Ind.—Yawger & Battefeld, Contractors, Fair Bldg., write us that they are in the market for chain blankets, which they want to use to cover stone blasts at their stone quarry. Information is wanted regarding such blankets, as well as data about any other methods of preventing stones from flying a distance when blasting.

SMALL STEAM ENGINES.—Catonsville, Md.—Walter M. Gieske writes us that he wants names of manufacturers or dealers in small simple steam engines of from 1 to 10 HP., vertical, horizontal, and also suitable for suspending or fastening to a vertical wall of an iron drum. The engines are to make from 70 to 100 r. p. m., and use steam of from 60 to 150 lbs.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND CEMENT.—Peterboro, Ont.—Bids are asked by S. R. Armstrong, Town Clk., until March 15 for supply of 3,500 bbls. of Portland cement.

STONE AND CEMENT.—Wilmington, N. C.—Bids are asked until March 18 for stone and cement. Capt. R. P. Johnston, U. S. Engrs. (Advertised, Engineering News.)

UNDERGROUND CROSSING.—Sacramento, Cal.—Bids are asked until 8 p. m., Feb. 27, for construction of underground crossing at 12th and B Sts. M. J. Desmond, Cy. Clk.

IRON AND LUMBER.—New York, N. Y.—Bids are asked by Commissioner of Street Cleaning, 13 Park Row, until March 2 for furnishing and delivering iron and lumber.

FIRE ALARM SYSTEM.—Bakersfield, Cal.—Bids are asked by A. T. Lighter, Clk. Trustees, until March 6 for material and installing complete electric fire alarm system.

BREAKWATER AND WHARF.—North Head, N. B.—Department of Public Works, Ottawa, Ont., is asking bids until March 4 for construction of wharf and breakwater at this place.

DREDGING.—Philadelphia, Pa.—Bids are asked by Board of Port Wardens, Geo. F. Sproule, Secy., until March 6 for dredging docks and in front of bulkhead not belonging to city.

GONDOLA HOPPER CARS.—Winnipeg, Man.—Bids are asked by Chairman Committee on Works until 8.30 p. m., Feb. 28 for supply of five gondola hopper cars. C. J. Brown, Cy. Clk.

LIGHT-HOUSE.—San Francisco, Cal.—Contract for construction of light-house on Southampton Shoals (bids opened Feb. 6) is reported to have been let to W. H. CONCANNON for $24,980.

DITCH.—Fairmont, Minn.—Bids are asked by H. P. Edwards, County Auditor, until April 4 for constructing two ditches, requiring removal of about 140,000 cu. yds. at an estimated cost of $23,500.

STEAM TENDER.—Seattle, Wash.—Puget Sound Engine Works was low bidder, at $24,866, for construction of steam tender for San Francisco Artillery District, bids for which were opened Feb. 8 by Capt. Frank Grant, Q. M., U. S. A.

DREDGING PLANT.—Detroit, Mich.—Bids are being asked until March 8 by Capt. Chas. E. L. B. Davis, U. S. Engrs., for hire of dredging plant for use in Lake St. Clair, instead of for dredging in that lake as was stated in our issue of Feb. 16.

WHARF.—San Francisco, Cal.—Harbor Commissioners have awarded contract for constructing new Vallejo St. wharf (bids opened Feb. 3) to HEALY-TIBBITTS & CO., 22 Market St., San Francisco, Cal., for $114,788. Subcontract for structural steel is stated to have been let to MILLIKEN BROS., Rialto Bldg., San Francisco, and New York.

RAILROAD, HOISTING MACHINERY, ETC.—Baton Rouge, La.—We are informed that Mr. Connell, Gen. Mgr. Burton Lumber Co., Baton Rouge, La., intends to build a small railroad, with cars and hoisting machinery, for his brick yard in this city. Rails and cars had not been purchased.

OVERHEAD CROSSING.—South Fork, Pa.—Contract for overhead crossing on Pennsylvania R. R. at this place has been let to C. A. SIMS & CO., Harrison Bldg., Philadelphia, Pa., for about $120,000. Work requires about 3,000 cu. yds. masonry and from 80 to 100 cu. yds. earth excavation.

TUNNEL.—Boston, Mass.—A. S. Brown, Jr., Surety Bonds, 85 Water St., Boston, writes us that contract for constructing Sec. 4 of Washington St. tunnel has been let to HUGH NAWN CONTRACTING CO., Boston, Mass., for $466,482. Bids were opened by Boston Transit Commission Feb. 14.

DREDGING.—Detroit, Mich.—Bids were opened Feb. 16 by Lt.-Col. E. L. B. Davis, U. S. Engrs., for about 1,200,000 cu. yds. dredging in lower Detroit River, the lowest bidder being G. H. Breymann & Bro., Toledo, O. The next lowest bidder was the Chicago & Great Lakes Dredge & Dock Co., Chicago, Ill.

PIER.—Asbury Park, N. J.—Contract for constructing steel work of new amusement pier for Asbury Park Pier Co. has been let to NEW JERSEY BRIDGE CO., Manasquan, N. J. Company agrees to furnish and erect steel work for $165,000. Jesse W. Starr, Camden, N. J., has franchise for pier. Mentioned in Feb. 2 issue.

STONE CRUSHERS.—Washington, D. C.—Following bids were received Feb 15 by Isthmian Canal Commission for furnishing two stone crushers: Manning, Maxwell & Moore, New York, $8,654; Tower Mining Machine Co., Chicago, Ill., $10,000; Motley, Green & Co., New York, $8,075; Austin Mfg. Co., Chicago, Ill, $9,490.

PORTLAND CEMENT.—Washington, D. C.—The contract for furnishing 30,000 bbls. Portland cement for use in connection with the Cebu Harbor Improvements, Philippines, has been let to ALSEN'SCHE PORTLAND CEMENT FABRIKEN, Hamburg. The bids which were received Dec. 31, are given under Contract Prices.

ARC LAMPS, ROPE, CEMENT, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until March 7 for furnishing a quantity of naval supplies among which are arc lamps, Portland cement, broken stone, rails, switches, frogs, motors, wire rope, emery wheels, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

PILES.—San Francisco, Cal.—We are informed that bids were received Feb. 3 by California Debris Commission, Capt. Wm. W. Harts, U. S. Engrs., for furnishing and driving piles, etc., for portion of Barrier No. 1, Yuba River, bid of Hugh McGuire, Marysville, Cal., at $5,670, for erecting pile driver and furnishing and delivering 16,000 lin. ft. of piles, being recommended for acceptance. Bid of Palmer & McBryde, at $2,960, for driv-

ing 350 piles and furnishing and placing 5,000 lbs. cast-iron pile shoes, was recommended conditionally for acceptance.

DIKE WORK.—New York, N. Y.—Bids were received Feb. 9 by Park Department for labor and material for repairing and strengthening dike along Cromwell's Creek water front of Macombs Dam Park, the two lowest bidders being Geo. Humphreys, 575 Clinton St., Brooklyn, N. Y., $10,886 and Bernard Rolf, 39 Cortlandt St., New York, $10,980.

DIKE.—Wallington, N. J.—Wise & Watson, Engrs., 34 Bloomfield Ave., Passaic, N. J., have prepared preliminary plans and estimate of cost of construction of dike for Boroughs of Wallington and East Rutherford, N. J. The Mayors of the two boroughs have called public meetings to consider the matter. Dike will be 1¾ miles, and approximate cost is $51,150.

AUTOMATIC TELEPHONE SYSTEM.—New Orleans, La.—Following bids were received Feb. 18, by Bureau Yard and Docks for automatic telephone system for naval station, New Orleans: Western Electric Co., New York, N. Y., $2,278; Interstate Electric Co., Ltd., New Orleans, La., $2,000; New Orleans Electric Co., Ltd., 616 Commercial Pl., New Orleans, La., $2,500.

DRAINAGE DITCH.—New Cambria, Mo.—Bids are asked by Gran Goodson, Clk. Bd. Supervisors, of New Cambria, until March 20 for excavation of drainage ditch about nine miles long, 20 ft. wide at bottom and deptn of 10 ft., requiring removal of about 389,000 cu. yds. earth. Otto Kochitzky and W. G. Walker, Macon, Mo., are Engrs. The above item appeared in our last week's issue under Macon City.

DREDGING, ETC.—Chicago, Ill.—Bids were received Feb. 15 by Trustees Sanitary District for dredging main Chicago River and South Branch, etc., the bidders in order of magnitude being the Chicago and Great Lakes Dredge & Dock Co., Chicago, Ill.; Fitzimmons & Connell, Chicago, and Buffalo Dredging Co., Buffalo, N. Y. Bids were taken on various schemes, and lowest bid varied from $43,520 to $33,294. Itemized bids will be given under Contract Prices.

WHARF, GRADING AND FILLING.—New Orleans, La.—Bids are asked by Bureau Yards and Docks, M. T. Endicott, Ch., Washington, D. C., for constructing steel and timber wharf at Naval Station, New Orleans; $42,000 is available for the work. Bids are also asked by Bureau Yards and Docks until March 25 for grading and filling at same naval station, $25,000 being available for the work. Specifications for the above improvements are on file at office of Engineering News, 220 Broadway, New York.

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until March 14 for furnishing at Navy Yards, Portsmouth, N. H., New York, N. Y., League Island, Pa., Norfolk, Va., the Naval Academy, Annapolis, Md., and the naval station, Guantanamo, Cuba, a quantity of machine tools, etc., as follows: Concrete mixer, hoisting engines, derricks, pile drivers, etc.; rod machine, wood lathe, mortiser, ripsaw table, motor drive outfit for pipe threading machine; gap lathe; rotary melting furnace outfit. H. T. B. Harris, Paym.-Gen., U. S. N.

CABLE.—Washington, D. C.—Bids are asked by War Department, Signal Office, until March 15, for furnishing signal corps, U. S. Army, with cable, as follows: 20 miles type 41 cable (specification 261) to be stored by manufacturer; 10 miles type 31 cable (specification 261) to be stored by manufacturer; 25,000 ft. of type 217 (6-pair armored, specification 161) to be delivered on reels as indicated in specification at Black Tom Wharf, Communipaw, N. J.; 25,000 ft. of type 218 (12-pair armored, specification 161) to be delivered on reels as indicated in specification, at Black Tom Wharf, Communipaw, N. J. Steel tape armor is not desired. Brig.-Gen. A. W. Greeley, Ch. Signal Officer, U. S. A.

CANAL WORK.—Columbus, O.—Bids were received Feb. 11 by State Board of Public Works for improving northern division of the Ohio Canal and contracts are reported to have been let as follows: Cement, MILES & MURPHY, 410 Hayden Clinton Bldg., Columbus, O., $6,150; traction engine RUSSELL & CO., Massillon, O., $975; working section No. 1, including 14 lock gates, woodwork for sluice gates, lumber foundations, sheet piling, stonework concrete, iron for excavation and sluice gates and paving. CARMICHAEL & CO., Akron, O., $16,952; working section No. 2, including 16 lock gates, etc., P. J. McCOURT, 405 So. Main St., Akron, O., $20,035; working section No. 3, including twelve lock gates, etc., McGARRY & McGOWAN, Room 17, Doyle Block, Akron, O., $17,443; to the same contractors were awarded contracts for general work on locks aggregating $4,180, and for protection stone aggregating $7,500. In addition, the board provided for work to the value of $10,000 to be done by its own employees.

FOREIGN CONTRACTS—EXPORT NEWS.

RAILROAD.—Nicaragua.—A contract has been signed between the Government of Nicaragua and JULIUS WIEST, M. Am. Soc. C. E., for the construction of the Atlantic R. R., which will connect the new harbor of Monkey Point, 20 miles south of Bluefields, with San Miguelito on the Nicaragua Lake. Work is to begin on March 1 and Emileo Mueller, Monkey Point via Bluefields, will be in charge of the survey and construction.

CHANNEL IMPROVEMENT.—Bermuda.—For the deepening, widening and buoying of the St. George's Channel at Bermuda Islands the Bermuda Legislature has voted the necessary funds, which are approximately estimated at $500,000. Bids for the above work are to be opened April 10 and the official advertisement appeared in the Engineering News of Feb. 2. The proposed channel is to be about two miles long and is to connect St. George's Harbor with the deep sea. It is to begin a short distance to the east of "Jenkins Boiler." From there to a point almost due north of Governor Island it is to be deepened to 26 ft. below M. L. W., and its clear width is to be 140 ft. The remaining portion of the channel is to be deepened to 24 ft., and to be 120 ft. wide in the clear. The sides of the channel are to be excavated to a slope of 1½ : 1 in solid rock and 5 : 1 in soft material. The material to be excavated is mostly coral rock of unusually close texture. Where a softer kind of rock is encountered, dredging may successfully be resorted to. The above information has been obtained by a member of our staff from Mr. W. Cardy Hallett, Colonial Surveyor, Hamilton, Bermuda.

CONTRACT PRICES.

PORTLAND CEMENT.—Manila, P. I.—Following bids were received Dec. 31 for 30,000 bbls. Portland cement for use in connection with the Cebu Harbor improvements: Holiday, Wise & Co., Manila, "Coloma," Bheuniche P. C. W., Cologna, Prussia, $2.49; Mitsui Bussan Kaisha, Tiago Inouya, Agent, Manila, "Onoda," Japan, $2.49; Mariano Uy Chaco, Manila, "Alsen," Alsen'sche P. C. Fabriken, Hamburg, $2.57; Froelich & Kuttner, Manila, "Saturn," P. C. F. Saturn, Hamburg, $2.6975; Henry W. Peabody & Co., Manila, "Atlas," Atlas Portland Cement Co., U. S. A., $2.87; Behn Myer & Co., "[illegible]enberg," Breitenberger P. C. Works, "[illegible]urn," $2.40; ALSEN'SCHE PORTLAN[illegible] RIKEN, Hamburg, "Alsen," Hambu[illegible] contract); W. H. Anderson & Co., [illegible] Green Island Cement Co., Hong Kong; [illegible] & Co., Manila, "Germania," P. C. F. [illegible] Prussia, $2.60.

PIPE.—Worcester, Mass.—George W. [illegible] Comr., on Jan. 13 awarded contract to [illegible] CO., for furnishing service pipe at [illegible] 3,000 ft. 1-in. pipe, $3.63 per 100 ft.; 6-[illegible] $4.95 per 100 ft.

WATER PIPE.—St. Paul, Minn.—We[illegible] contract for furnishing 852 tons cast-i[illegible] let Jan. 20 to U. S. CAST-IRON & PIP[illegible] for $26.95 per ton. Other bids received: H. P. Rugg & Co., St. Paul, Minn., 4-in. ton; 6-in. and 8-in. pipe, $29.20; 12-in. [illegible] R. D. Wood & Co., Philadelphia, Pa., 4 [illegible] and 8-in., $30.90; 12-in. and 16-in., $2[illegible]

BRICK PAVING.—Jacksonville, Fla.—[illegible] eight streets with vitrified brick on [illegible] has been let to JNO. N. O. STOCKTON, [illegible] $1.44¾ per sq. yd. laid complete. About [illegible] paving and 21,100 lin. ft. stone curb, [illegible] less than 3 ft. long, is to be laid. Philip [illegible] Engr. Bids were received Feb. 13.

DREDGING.—Norfolk, Va.—Following [illegible] ceived Jan. 9 by Capt. E. Eveleth Winslow, [illegible] for dredging approximately 400,000 cu. yd[illegible] Harbor: Morris & Cummings Dredging Co., [illegible] 10 cts.; P. Sanford Ross, Inc., Jersey City, [illegible] Columbia Dredging Co., New York, 8 9-10 cts.; [illegible] Dredging & Contracting Co., Baltimore, Md., [illegible] wise Dredging Co., Norfolk, Va., 7 7-10 cts.; [illegible] Dredging Co., Norfolk, Va., 7 9-10 cts.

DREDGING.—Detroit, Mich.—Following bids were received Feb. 16 by Lt.-Col. Chas. E. L. B. Davis, U. S. Engrs., for dredging in lower Detroit River: Chicago & Great Lakes Dredge & Dock Co., Chicago, Ill., 28½ cts. per cu. yd.; Samuel O. Dixon, Milwaukee, Wis., 31¾ cts.; Detroit Dredging Co., Detroit, Mich., 29 cts.; Buffalo Dredging Co., Buffalo, N. Y., 33 cts.; G. H. Breymann & Bro., Toledo, O., 27 cts.; Lake Superior Contracting & Dredging Co., Duluth, Minn., 31 cts.; The L. P. & J. A. Smith Co., Toledo, O., 30 cts.; M. Sullivan, Detroit, Mich., 29 cts.

SEWERS.—Topeka, Kan.—Bids were received Feb. 6 by city officials, James F. McCabe, Cy. Engr., for constructing sewers in Sixth Ward. Price bid per lin. ft. includes earth excavation, but does not include rock excavation; price bid also includes small amount of repaving. The bids received were as follows: (1) HANLEY & RITCHIE, Iola, Kan. (awarded contract); (2) M. Cook & Son, Junction City, Kan.; (3) Brooks & Gilmore, Topeka, Kan.:

Bids received at Topeka, Kan., February 6, 1905, by City Officials, James F. McCabe, City Eng., for Constructing Sewers in 6th Ward.

Items.	Quantity.	(1)	(2)	(3)
Excavation, loose rock	1,500 cu. yds.	.75	.75	.75
Excavation, solid rock	3,700 cu. yds.	3.15	3.25	3.50
Manholes	75	53.00	55.00	52.30
Flush tanks	10	65.00	65.00	75.40
Lumber	20,000 ft. B.M.	30.00	30.00	23.20
8-in. sewer, 12.7 ft. deep	19,369 lin. ft.	.87	.90	.90
10-in. sewer, 13.5 ft. deep	475 lin. ft.	.88	.90	1.01
12-in. sewer, 12.9 ft. deep	4,821 lin. ft.	1.20	1.25	1.16
15-in. sewer, 13.3 ft. deep	4,863 lin. ft.	1.32	1.35	1.37
18-in. sewer, 11.6 ft. deep	2,993 lin. ft.	1.66	1.75	1.65
21-in. sewer, 16.1 ft. deep	862 lin. ft.	2.32	2.40	2.44
24-in. sewer, 19.0 ft. deep	1,700 lin. ft.	3.10	3.00	2.78
27-in. sewer, 13.9 ft. deep	3,630 lin. ft.	3.10	3.25	3.77
30-in. sewer, 10.9 ft. deep	650 lin. ft.	3.90	3.90	4.64
30-in. brick sewer, 12.9 ft. deep	1,350 lin. ft.	3.54	3.00	3.77
1-in. galvanized iron pipe	3,800 lin. ft.	.25	.25	.24
Inlets or lamp holes	47	14.00	15.00	15.66
Totals		$79,892	$80,225	$84,588

BUILDING, ETC.

Central Islip, N. Y.

Sealed proposals, suitably endorsed on envelope, for Dining Room and Employes' Building, Construction, Heating, Plumbing, Electric Light Wiring and Fixtures, at Manhattan State Hospital, Central Islip, N. Y., may be sent by mail or delivered in person up to 3 o'clock P. M., on Wednesday the 8th day of March, 1905, to the State Commission in Lunacy at the Capitol, Albany, N. Y., when the bids will be opened and read publicly.

Drawings and specifications may be consulted at the office of F. A. Wheeler, purchasing steward, No. 309 Broadway, New York City, or Dr. G. A. Smith, Central Islip, N. Y., or by application to G. L. Heins, State Architect, in the Capitol at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

T. E. McGARR,
Secy. State Commission in Lunacy.

Dated Albany, N. Y., February 10, 1905.
8-2t

CONSTRUCTING QUARTERMASTER'S OFFICE, Oswego, N. Y., February 9, 1905.—Sealed proposals in triplicate for furnishing material and for the construction of a Wagon Shed and a Coal Shed at Port Ontario, N. Y., will be received at this office until 11.00 a. m., March 10, 1905, and then publicly opened. Plans, specifications, and General Instructions to Bidders may be obtained at this office. Blanks for proposals and all necessary information will be furnished upon application. A guarantee in the amount of 10% must accompany proposal. Envelopes containing proposals should be marked "Proposal for Constructing a Wagon Shed and a Coal Shed at Port Ontario, N. Y.," and addressed to W. M. COULLING, Captain and Quartermaster, U. S. Army. 6-4t

SYSTEM OF SEWERS.

Holly Springs, Miss., Feb. 14, 1905.

Sealed bids will be received by the Mayor and Board of Aldermen of Holly Springs, Miss., till 8 p. m., March 7, 1905, for constructing a system of house sewers, comprising approximately 4.3 miles of 8-in. pipe sewers, with septic tank, flush tanks, manholes and other accessories. The right is reserved to reject any or all proposals. Deposit required, 3% of bid. For particulars, blank forms and specifications, address Kirkpatrick & Johnson, Civil and Mechanical Engineers, Jackson, Miss. Plans on file with the undersigned after March 1st.

JOHN HOWARD, Mayor,
CLAUD McCLAIN, City Clerk. 8-1t

STOP COCK BOXES.

Cleveland, Ohio., February 17, 1905.

Sealed proposals will be received at the office of the Secretary of the Board of Public Service, No. 105 City Hall, until 12.00 o'clock M., March 13, 1905, for furnishing and delivering all stop-cock boxes and parts of same that may be required during the year 1905, by the Water-Works Department of the Board of Public Service of the City of Cleveland, Ohio. The number of stop-cock boxes required will be approximately 4,500.

Specifications may be seen and blank proposals can be obtained at the office of the Superintendent of the Water-Works Department.

Each proposal must contain the full name of the party or parties making the same, and all persons interested therein, and must be accompanied by a certified check for five hundred ($500.00) dollars, payable to the Board of Public Service, on a solvent bank in this city, as surety that if the proposal be accepted a contract will be entered into.

No proposal will be entertained unless made on the blanks furnished by the Superintendent of Water-Works and delivered at the office of the Secretary of the Board of Public Service, No. 105 City Hall, previous to 12.00 o'clock M. on the day specified.

The City reserves the right to reject any or all bids.

THE BOARD OF PUBLIC SERVICE,
W. J. SPRINGBORN,
President.

A. R. CALLOW, 8-1t
Secretary the Board of Public Service.

MAIN SEWAGE PUMPING STATION.

Columbus, O.

Bids will be received by the Board of Public Service of Columbus, Ohio, until noon of March 8, 1905, for furnishing the labor and material for building the main sewage pumping station for said city.

Specifications can be had by prospective bidders upon application to Julian Griggs, City Engineer, at Columbus, Ohio. Plans consist of 22 sheets 30 × 40-in. and can be seen at the office of said engineer or at the office of Hering & Fuller, Consulting Engineers, 170 Broadway, New York.

A proposal bond or certified check of ten per cent. and a contract bond of fifty per cent. of the amount of the bid will be required.

CHAS. H. FRANK, Secretary,
Board of Public Service,
8-1t Columbus, Ohio.

U. S. ENGINEER OFFICE, 1000 22d St., N. W., Washington, D. C., February 21, 1905.—Sealed proposals for construction of earth embankment approach to highway bridge across Potomac River, Washington, D. C., will be received here until 12 m., March 23, 1905, and then publicly opened. Information on application. SMITH S. LEACH, Lt.-Col., Engrs. 6-4t

ELECTRIC LIGHT FRANCHISE.

Cape Charles, Va.

An Electric Lighting Franchise is now being published by the Town of Cape Charles, Va., for four successive weeks as required by law. All parties interested are invited to offer sealed bids for the same. Bids close April 3, 1905. Copy of franchise and full particulars furnished on application to

I. J. BURBAGE,
8-1t Clerk.

DEPARTMENT OF THE INTERIOR, Washington, D. C., Office of Superintendent U. S. Capitol Building and Grounds, February 7, 1905.—In furtherance of the advertisement published under date of December 8, 1904, for certain work in connection with the construction of an Office Building for the House of Representatives, intending bidders are hereby notified that proposals for cut stone work for the exterior facades and court walls of said building will be received and opened at the above office at 2 o'clock P. M. on Wednesday, March 8, 1905, in the presence of persons desiring to attend. Plans and specifications are now ready for issue and will be furnished upon receipt of a certified check for fifty dollars ($50.00), payable to the Superintendent U. S. Capitol Building and Grounds as a guarantee for their return. Checks will be returned upon the receipt of plans and specifications. A suitable bond will be required for the faithful performance of the contract. The right is reserved to reject any or all bids, and to waive any informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. 7-3t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 18th, 1905.—Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of April, 1905, and then opened, for the enlargement (except elevator, heating apparatus, conduits and wiring) of the U. S. Court House, Post Office, etc., at Macon, Georgia, in accordance with drawings and specifications, copies of which may be had at this office or at the office of the Postmaster at Macon, Georgia, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 8-3t

For other Proposal Advertisements see pages 35, 36, 37, 38. of Advertisements and Construction News page 68.